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## Nader to deliver address on ethics of engineering

Ralph Nader, controversial critic of automobile safety standards, will speak at Kresge Auditorium at 8 p.m. Wednesday. His topic will be "The Engineer in Society: His Responsibilities and Ethics."

The program is sponsored by the American Society of Mechanical Engineers. David Cahn '68, is program chairman and chairman of the ASME student section's Committee on Ethics.

### Panel discussion

A panel discussion will follow Mr. Nader's lecture. Besides Nader, panelists will include Professors Norman Dahl and Dwight Bauman, Mechanical Engineering; Bruce Mazlish, History; and Nicholas DeWolf, President of Teradyne, Inc., of Boston. Professor D. G. Wilson, Mechanical Engineering, and faculty advisor to the ASME student section, will

serve as moderator, and will submit written questions from the audience to the panel.

### Auto-hazards critic

Nader, a Washington DC attorney, attracted national attention with his book *Unsafe At Any Speed*, and with subsequent appearances before Congressional committees investigating highway and automobile safety. Besides his aversion to the "needless death and maiming of hundreds of thousands of people annually," Nader's interest in the area of auto hazards stemmed from his "recognition that we've had the technological and economic capability to build safer cars for decades, . . . and . . . the deep awareness that unsafe autos pose a profound professional challenge to the legal, medical, and engineering professions who have the responsibility not just to apply their optimum skills to the problems . . . but also to work for the elimination of those very problems . . ."

Tickets for the program are on sale in the Lobby of Building 10, and the public is invited. Tickets for ASME student section members are 75 cents, for non-members, one dollar. Beginning Monday, all tickets will be sold at the booth at a single price of \$1.25. Tickets at the door the evening of the program will be \$1.50.

May 5 is the last day on which an undergraduate student may cancel a subject for which he is registered without having to petition the Committee on Academic Performance. Cancellations after this date will be allowed only for "extenuating circumstances." "Failure in the course concerned is not considered a valid reason for a late cancellation."

## Millikan suggests conditions for federal cooperation



Dr. Max Millikan

(This is the first of a series of articles on relations between the federal government and universities taken from a supplement to the April issue of *Technology Review*.)

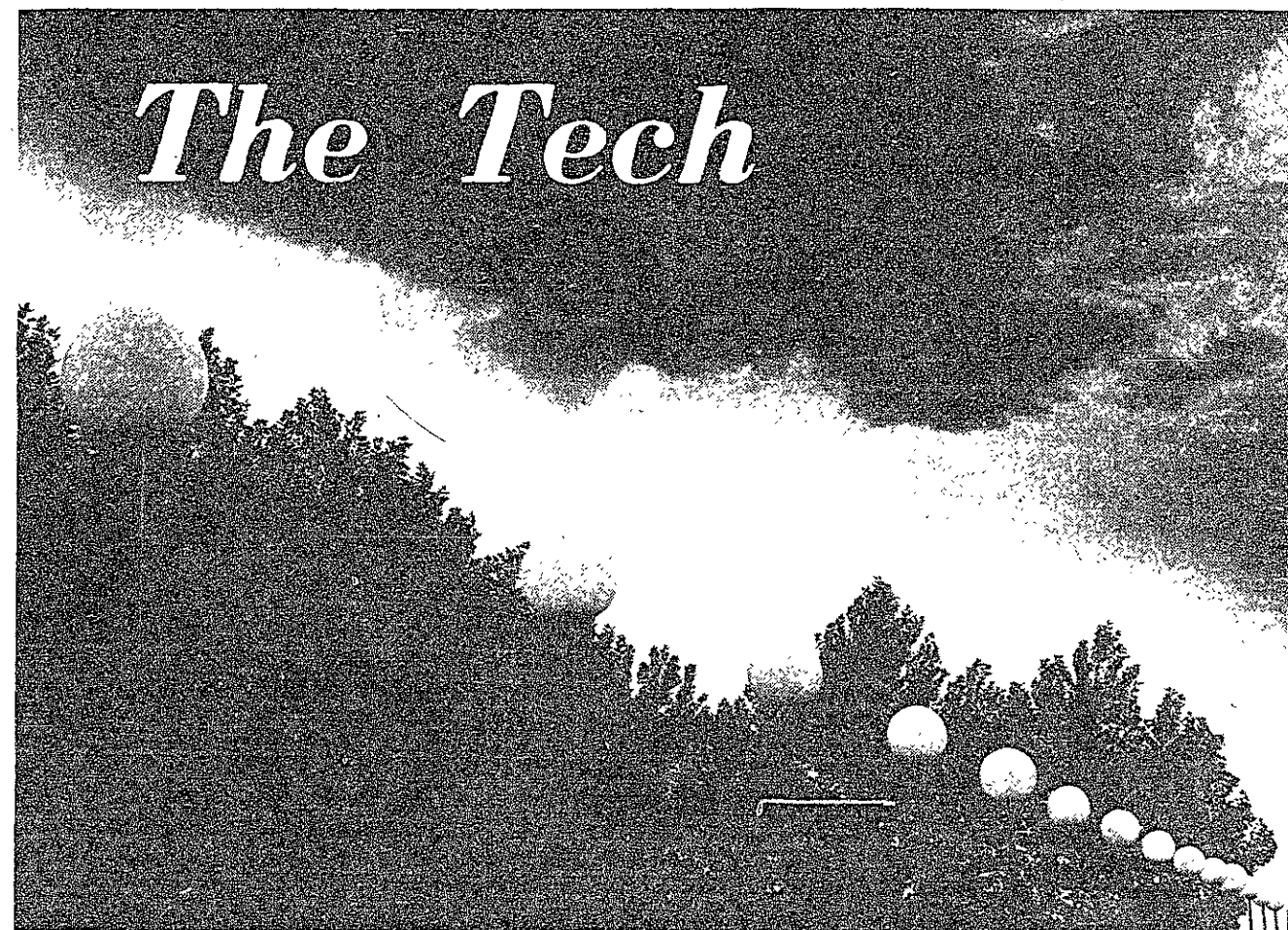
By Dean Roller

With the advent of an atmosphere of increased tension between universities and government, many fundamental questions regarding relations between the academic world and government agencies have become the forefront of controversy. Professor Max F. Millikan of the Department of Economics and Political Science and director of the Center for International Studies is one member of the MIT community who is intimately involved in the conflict and has thus become very opinionated on the subject.

### Distorted images

Prof. Millikan feels that the

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Vol. 87, No. 19

Cambridge, Massachusetts, Friday, April 21, 1967

Five Cents

## Johnson urges 'New Technology'

By Nod Minnig

President Howard Johnson issued an appeal to scientists and engineers to chart a "New Technology" in an address before the MIT Club of Northern California in San Francisco Wednesday. Present at the meeting were more than 200 alumni, wives, guests, and prospective freshmen with their parents.

### Whole man

Pres. Johnson articulated his thesis by saying: "In a addition to being concerned with every man, technology must also be concerned with the whole man. It must seek to create the large-scale environment in which man can realize his full potential as a human being. It must be as sensitive to aesthetics as to efficiency, to human growth as to economic and industrial expansion."

Three adjectives were applied by Pres. Johnson to today's American society. He called it a technological society, an interdependent and, hopefully, a diverse one. He also expressed the role of the university in such a society as threefold. It must teach technical competence and an ability for decision making. Finally and most important of

all it must instill personal responsibility and an ability and desire to contribute to society.

### Liberal education

This kind of education was characterized as a "liberal education" by Pres. Johnson. He was careful to differentiate between this and the commonly known "liberal arts education." In fact, he saw the latter as often confining, limiting a student's perspective and shielding him from exposure to the "forces of scientific discovery that shape our civilization. . . ." He saw the best education as that which attempts to produce that rare blend of the "poet and useful man."

He deplored any loss of idealism and expressed the belief that with such a loss the US as a nation would "lose the chance to serve as a model for others

despite a high GNP."

### Problems of technology

Many of the major problems confronting humanity today were pointed out by Pres. Johnson as the results of technological advancement.

"We are beginning to discover that the right of free citizens to move freely without hindrance can be made meaningless by the breakdown of mass transportation, and the right of free assembly can be negated by impassable city traffic, or, for that matter, uncontrolled crime in the city streets. We are beginning to suspect that free speech and free press might become irrelevant if we are slowly strangled by the air we breathe or slowly poisoned by our drinking water."

"We are beginning to see that

(Please turn to Page 2)

## Volpe announcement

### Decision on Inner Belt not expected until May

By Steve Carhart

Often delayed in the past, the final decision on the route of the Inner Belt has been put off once again by the maze of individuals and government agencies which are concerned with this delicate matter.

As recently as a month ago, Massachusetts Governor John A. Volpe indicated that he expected a decision by April. However, in a speech Monday before the Cambridge Chamber of Commerce, Governor Volpe announced that he does not expect a decision until sometime in May.

### Governor's comments

He also said that determining

exactly where the Belt will go is a very difficult decision and that no matter which route is chosen, some people will inevitably be hurt. However, Governor Volpe disagreed with those who have called for further study of the Belt problem because the Belt route has already been studied more than any comparable highway problem. Furthermore, the governor added, he is convinced the Belt is a necessary addition to the network of superhighways around Boston and that further study will only delay its construction without appreciably reducing the problems which building the Belt will cause.

The governor said that he was not impressed by the arguments of those who say that the Belt will be obsolete soon after it is built and therefore should not be begun; on the contrary, the fact that it will be inadequate so soon only underlines the need for the road.

### Possible routes

The proposed routes across Cambridge include the Brookline

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## Marshall Scholarship awarded to Webbink

Ronald F. Webbink, a Course VIII senior from St. Charles, Missouri, has been awarded a Marshall Scholarship. The scholarship will enable him to go to St. John's College, Cambridge, England, where he will pursue graduate study in Theoretical Astronomy.

The scholarship program, named for General George Marshall, is administered and paid for by the British Government. It was established in 1953, and each year offers 24 awards to enable American students to study for degrees at British universities.

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## Date of Open House nears



Photo by Steve Lee

The attitude of these students is: "Work need not be drudgery," as they assemble Open House information packets during an informal party at East Campus. The mountain of brochures they are building, among many others, will be distributed to all those who visit the MIT campus when the Institute opens its doors to the public this weekend.



## Past solutions fail

# CIA dampens relations

(Continued from Page 1)

"publicity given to a variety of kinds of relations between government and educational institutions" has been a prime factor in bringing about a "deterioration of an atmosphere of collaboration" between the two. Three basic philosophies have evolved as a result of such disclosures. One group feels universities must insulate themselves from close relations with government agencies. A second group feels that it is the obligation of the academic community to act as more responsible citizens and try to help government behave more intelligently rather than dissociate themselves from it. A third group of university professors emphasize practical considerations in that the image of government-sponsored research is reflected in the university. Thus this group feels that there is a definite present need for improvement.

## Johnson deplores depersonalization

(Continued from Page 1)

equal rights and equal job opportunity, when finally obtained by citizens long denied them, can be made meaningless by intolerable housing conditions or by ineffective education systems. We are beginning to realize that if exploding populations create a world of starving humans almost standing on each other's shoulders, all concepts of freedom can become irrelevant, and American prosperity could be infuriating and incendiary to billions deprived of either hope or future."

### Fight depersonalization

Both "Big Business" and "Big Government" are a direct result of technology, said Pres. Johnson, but he believed they should be even more responsive to individual needs rather than depersonalizing and depriving the individual of a meaningful sense of participation. This is the end toward which technology must march, he said. "... It does no good to long for the old days, because we cannot go back. We must find standing on each other's shoulders in broader applications of engineering, social science, and effective management." It is these broader applications which he defined as the "New Technology."

## FOC sets interview date for potential members

Interviews for membership in the Foreign Opportunities Committee will be held Sunday evening. Applicants should see Betty Hendricks in the Incomm Office (W20-401) for an interview time.

Of all the government agencies connected with the academic world, the Central Intelligence Agency is usually singled out as the most "dangerous" possibly due to the recent disclosure of the CIA's support of student, labor, and other organizations. Millikan emphasizes that its public image as a clandestine agency must be changed. The public must be educated of the important scholarly work the CIA performs in evaluating the worldwide political, economic, social, and military forces of which the President and the National Security Council must be constantly aware. Prof. Millikan cites an example which struck close to home whereby the MIT Center for International Studies was forced to discontinue its contracts with the CIA in June of 1966 because of "misunderstanding at home and abroad."

Solutions thus far attempted by institutions to reconcile the rift between education and government such as accepting no government contracts providing for clearance of personnel or handling of classified material, or by making sharp distinctions between the university's accepting

such contracts and the individual scholars comprising the staffs of such institutes accepting them, have all proved unsatisfactory.

### Proposed solutions

Prof. Millikan's proposed solutions to the conflict are basically fivefold: (1) A distinct effort should be made by universities and professors to restate their intentions to engage in activities which will be made fully public. (2) Universities should only accept projects, the results of which will be released to the public. (3) Members of the academic world should not accept contracts which limit the conclusions of the research. (4) Universities and individuals thereof should accept only those contracts which permit them to reveal the source of their funds. (5) Universities should avoid becoming too dependent on any one government agency for support of research.

Only by instituting such reforms with the judgment and integrity of the parties involved does Prof. Millikan feel a beginning may be made in once again bringing about an era of co-operation and understanding between universities and government.

## Creative photography show sponsors new local talent

The abstract and personalized view of more than a dozen local photographers is the theme of a New Group show now open in the Creative Photography Gallery.

Exhibitors include Elaine Fisher, Elizabeth Hecker, David Wunsch, Charles Hrbek, Lucy Kezar, Rosalind Kimball, Phebe Ham, Ann Warrington and Tom Wills of Cambridge; Jonathan Green of Brookline; Barbara Morss Marshall of Chestnut Hill; Eric Myrvaagnes of Winchester; and Eugene Richards of Quincy. Few of them are professionally engaged in photography.

The show is composed of more than 50 photographs, many of them landscapes and portraits, and emphasis is placed on close tonal control and textural contrasts. Visitors are encouraged to leave written comments on the photographs, since the photographers are eager to know the response of the viewers. Though mostly amateurs, the exhibitors in the New Group have captured images which explore the relationship of photography to experience. The group meets bi-weekly with Stan Goldberg of Arlington, a professional photographer and teacher, for criticism of their work. In this close interaction the participants learn to expand their awareness in order to produce pictures reflecting many levels of experience.

The New Group exhibition will continue through May 7. Hours in the Creative Photography Gallery are Monday through Friday, noon to 9 pm, and Saturday and Sunday, 1 to 6. The Gallery is located on the third floor of the Armory.

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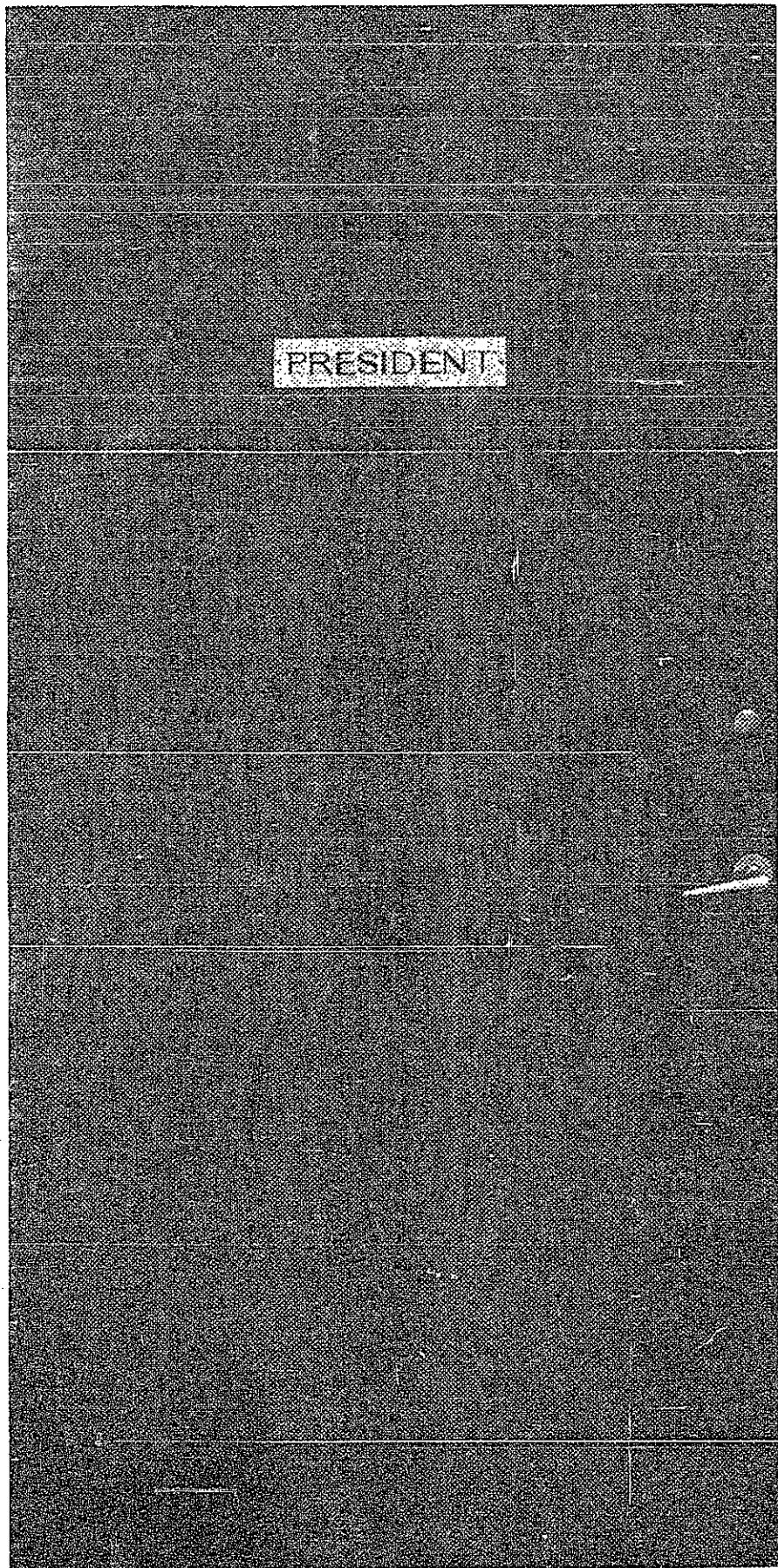
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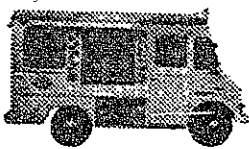
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# Brookline-Elm route heads likely paths for Inner Belt

Tomorrow afternoon

# 30,000 expected at Open House

(Continued from Page 1)

Elm St. route, which cuts through residential areas well to the north of the Institute; the Portland-Albany route, which goes through the light industry just north of MIT; and the railroad route along the right-of-way of the Boston & Albany, which runs through the campus.

The railroad route was recommended to the authorities involved by a study which admitted that the effects that building the Belt on that route would have on MIT, particularly the labs to the north, were not taken into account. This proposal was effectively eliminated when technical difficulties arose and MIT outlined the damage that would be done to such facilities as the Instrumentation Lab.

## Red tape

Since last year, the decision has been passed from one group to the next up the ladder of authority. The Cambridge Committee on the Belt submitted the findings of its consulting company to the state Department of Public Works. These findings were com-

plemented by those of the DPW's own consultants, which were turned over to the DPW in early March. The DPW in turn evaluated all relevant data and made its recommendations to Governor Volpe. He then determined the State's final position and turned the findings over to the US Bureau of Public Roads, which administers the funds for the Interstate program.

## More problems expected

Even assuming that the final decision from Washington is forthcoming, the construction of the Belt will still be far from smooth. Continued opposition is expected from citizens' groups no matter which route is chosen. In addition, it is not known what effects construction and heavy traffic on the nearby Portland-Albany route might have on the delicate instruments in Institute labs on the north side of the campus.

As though all the difficulties associated with the Inner Belt weren't enough, the DPW quietly revealed this fact not long ago: numerous independent studies have indicated that by 1974 another Belt, located between the Inner Belt and route 128, will be absolutely necessary to provide for the proper flow of traffic in the metropolitan area.

As many as 30,000 visitors are expected to get an introduction to the world of science and engineering when MIT opens its doors to the public during Open House Saturday from noon to 5. The Open House Committee, chaired by Ed Seykota '68, will attempt to show visitors how a large, technically oriented university works. The faculty chairman is Professor Douglas P. Adams of the Department of Mechanical Engineering.

## Student guides

Nearly two hundred student guides will be on hand to answer questions and conduct tours of the MIT laboratories and research facilities. Over two hundred separate displays will be offered for public viewing by the various departments. In addition the annual State Science Fair is being held at MIT this weekend, so visitors to Open House will also have a chance to see the winning high school student science exhibits.

Art exhibitions open to the public will include a showing of the works of eight contemporary sculptors, entitled "Miscellaneous Motions of Kinetic Sculpture," now in the Hayden Gallery. An exhibition of several amateur area photographers will continue in the Armory until May 7.

Open House tours will include several of MIT's newest buildings: the Center for Materials Science and Engineering, the Student Center, the Grover M. Her-

mann Building (which houses the social sciences and management research), and the Harold W. Pierce Boathouse with its crew and recreational facilities.

## Activities and athletics

Extracurricular activities will be presented through activities, athletics and living groups. The Student Center will become a small activities midway as over twenty recognized activities demonstrate their functions. Athletics will include varsity sailing, for the Owen Trophy, and varsity baseball and lacrosse teams will be seen in home games. The Alumni Pool will be the scene of water polo matches, exhibition diving, and white water kayak exhibitions while gymnasts and fencers will demonstrate their skill in the DuPont Athletic Center.

## Demonstrations

Throughout the Institute, departments will dramatize their research and educational programs with lectures, films, and of course demonstrations and exhibits. For example:

The Department of Chemical Engineering will show an artificial kidney, and will use freezing to desalinate water. The NASA space flight films will be shown by the Aeronautics and Astronautics Department, and a mock-up of an Apollo capsule will stand in the Lobby of Building 13. Several demonstrations of strob-

oscopic light will be given by the Department of Electrical Engineering, along with demonstrations of Electron and Ion Optics and Bioclectronics. The Computation center will be open, and three-dimensional tic-tac-toe will be demonstrated on the PDP-1 Computer.

## Towing tank tests

The Department of Naval Architecture and Marine Engineering will conduct towing tank tests of the yacht "Antiope," and will have films on deep-diving submarines, deep sea rescue and retrieval techniques. "Oceanography: The Study of Four-Fifths of the Earth's Surface" will be presented as part of the Department of Geology and Geophysics demonstrations. The nuclear reactor, the cyclotron and the National Magnet Laboratory will all receive visitors.

## Bus rides

Some of the innovations to be tried by the Committee this year include bus rides to the distant Hermann and Sloan Buildings, a program in a flip-top box, and organized tours of the Institute.

Although Open House is aimed primarily at people outside the MIT community, the committee feels that this is an excellent opportunity for students and faculty to explore departments other than their own, and welcomes the entire MIT community to attend Open House '67.

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## TSE selects new officers, sets goals for coming year

The Board of Directors' of Technology Student Enterprises, Inc., met in the Placement Office yesterday for the purpose of electing officers for the coming year. Chairman Arthur Alexander announced that Nick Covatta '68 is the new president, succeeding

Ralph Schmitt '66. After deciding to consolidate the positions of vice president and treasurer, the board chose Rick Mazer '68 to fill the new position.

The new president said that he will try to guide TSE, Inc., "in a very business-like manner, maintaining the high standards of honesty and integrity which characterized my predecessor's term of office." He outlined TSE's goals in the coming year as "greater service to the MIT community through carefully measured growth."

Interviews for new agency managers and for executive assistants to the president and treasurer will be held in the near future. Anyone interested in these positions should contact the TSE office at 95 Vassar Street (front of the Metropolitan Warehouse).

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Committee to Rescue Italian Art Benefit Lecture Series Sponsored by the Massachusetts Institute of Technology Art Committee

The Making of Florence Professor James S. Ackerman Chairman, Department of Fine Arts Harvard University Monday, April 24, 1967, 8 pm Fogg Art Museum, Harvard University Quincy Street, Cambridge Massachusetts

Time and Space in Italian Futurism Professor Wayne V. Andersen Chairman, Massachusetts Institute of Technology Committee on the Visual Arts Tuesday, April 25, 1967, 8 pm Carpenter Center for Visual Arts Harvard University Quincy Street, Cambridge Massachusetts

Donatello and the Antique Professor Horst W. Janson Chairman, Department of Art History New York University Wednesday, April 26, 1967, 8 pm Carpenter Center for Visual Arts Harvard University Quincy Street, Cambridge Massachusetts

Each lecture will be followed by a reception Admission \$2.00 per lecture (tax deductible) Tickets can be obtained in advance only from the MIT Student Center Coop or by telephone: 326-5151 The lectures are presented in conjunction with the Art Exhibition and Sale from CRIA at the Carpenter Center from April 22-30 11 am - 10 pm

# A chance to learn

The Social Service Committee is more often than not considered something other than a student activity. It appears linked with a notion of social service which dates back to Hull House. This is unfortunate and patently untrue of an organization which is so definitely contributing to extracurricular life for the students—the fact that it goes far beyond the confines of the Institute should not be used to attach some stigma to it.

Though altruism plays a role, the people of the SSC are realists in every sense of the word. They are not looking for a major transformation of society, or of even the people with whom they deal. They hope to improve, wherever and whenever they can, the existing surroundings.

Limited by constraints of time, manpower, and money the committee must consider where it can do the most the most effectively and efficiently. They have applied themselves well, meeting with some failures, but also with a large degree of success.

For the community, the contributions of the committee are obvious—they tutor, they aid hospitals, they provide recreation and guidance for many who otherwise might embark on a road of delinquency and beyond. They are concerned for the community in which we live.

But what about the individual participant? Though there are elements of pure unselfishness, most of those involved are gaining for themselves an appreciation for and an education about the world around them. Every student who enters the home of a slum child, seeing for the first time "how the other half lives," cannot help but retain this knowledge for the rest of his life.

The SSC provides a fair degree of fun, education, and some very lasting and worthwhile experiences. Though we may rightly set social service apart from other activities, we cannot separate it from them.



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Front page photo of the Student Center by Jeff Reynolds.

# footnotes\*

By Michael Warren

45. Evidently, Professor Arthur Mattuck has taken his presentation of the "Big Screw Award" very much in stride. While students in his 18.02 lecture patiently awaited his arrival at 26-100 last week, Professor Mattuck waited in the wings of the lecture hall. His students were left to ponder the four foot left-handed wooden screw placed on the desk in front of the class. Finally, he announced over the mike: "Hello, this is the 'Big Screw.' Today we are going to do triplllle innntegralls!"

46. Who says that letters to The Tech accomplish nothing? If you ramble through some of the early issues from this term, you might come across a letter, written by one Herbert J. Finger '68, which was anything but complimentary toward the coed cheerleaders. We have been informed that the situation has rapidly improved, especially with the appointment of that same Mr. Finger as advisor to the cheerleading squad.

47. The fan of Newsweek magazine would have been hard pressed to miss the veritable flood of MIT names in the April 17 issue. Professor Edgar H. Schein (Management) was interviewed with respect to possible brainwashing techniques employed by the North Vietnamese on captured US flyers. Professor Charles P. Kindleberger (Economics) aired his views on the gold drain further on in the magazine. Institute Professor Paul A. Samuelson (Economics) was featured in a panel discussion on the strength of the US dollar. MIT did pretty well in the picture end also, with both Kindleberger and Samuelson having photos in the magazine.

48. With the spring weather hiding somewhere just around the corner, the Physical Plant can expect increased calls from professors who want their windows cleaned. When the warm weather finally comes, Tech secretaries will begin the daily lunchtime migration to the Great Court, to soak up the sun. It's very hard to appreciate the finer points of the Great Court through dirty glass.

49. "Old UAP's never die," begins a timeless adage, to which we might add, "they live on in the wastebaskets of the Inscomm Office. Past UAP's have apparently ordered more stationery than they were able to use during their term of office. On the scrap paper commonly found in the Inscomm Office lately, is the highly impressive letterhead of the 1965-66 UAP, Bill Byrn.

## College World

### MSU student elected constable; Project at Harvey Mudd College

Nine Cornell University students have been suspended by the school's administration for soliciting pledges for a draft card burning that was to be held April 15. Cornell's Faculty Committee on Student Conduct upheld the administration's move and issued a statement saying that it "rejects forcibly the proposition that action in accordance with high moral purpose justifies summary violation of University rules without resort to available procedures." The administration's action in disciplining the students had precipitated a student threat to find 500 collegians willing to destroy their draft cards at an April 15 demonstration in New York City. The students' campaign, begun early in March, included circulating the pledge at several college campuses.

Freshmen at Harvey Mudd College have initiated a rather interesting project: They plan to design "a better brassiere." The project, dreamed up by David De Ford, was presented in the form of a petition to the school's engineering department. The petition was signed by eighty freshmen who realize the obvious importance of the assignment. "It could be approached like a bridge," De Ford said of the problem. "There are stresses and strains to be considered, and the frequency of collapses."

Dick Salwitz, a warehouse manager of Maidenform, Inc., stated that because of the many complex problems involved, any help from Mudd will be appreciated. "Sometimes it's pretty much hell to get the thing fastened. Really big women often fasten it in the

front, then turn it around. There are two points of view. There's the doing, and the undoing." In the recent East Lansing City Council elections, Thomas W. Taylor, Jr., a student at Michigan State University, was elected city constable by eleven write-in votes. Taylor, actually a candidate for city councilman, won the election marked by relatively light student voting. If Taylor accepts the position, he will have to post a \$1,000 bond. His duties will include serving warrants, summonses, and other court papers.

Comedian Bop Hope was awarded an honorary doctorate degree by Southern Methodist University recently. Hope was honored for his contributions toward the construction of part of the Owen Fine Arts Center on the campus. He gave \$802,000 for the Bob Hope Theater in the Fine Arts Center. The comedian's gifts represent about one fifth of the center.

Oops! 4,875 students of Ohio State University did not get their grade cards during intersession because the school ran out of postage money. Francis D. Gardner, manager of operations, said the University's bulk postage fund ran out of money before all grade cards could be mailed. The cause of the difficulty was that an undetermined number of students received duplicate reports by mistake. The mistake was not discovered until 11,850 cards had been mailed out, and by that time sufficient postage had been wasted to delay nearly 5,000 grade reports.

## Kibitzer

By Philip Selwyn

North			
♠ Q 7 6			
♥ A 3 2			
♦ J 10 2			
♣ K Q 5 4			
West			
♠ A J 10 8			
♥ K J 8 5 4			
♦ 9			
♣ 9 3 2			
East			
♠ 9 3			
♥ 10 9 7 6			
♦ A Q 4 3			
♣ 10 8 7			
South			
♠ K 5 4 2			
♥ Q			
♦ K 8 7 6 5			
♣ A J 6			
North-South Vulnerable			
East	South	West	North
Pass	1 ♦	Double	Redouble
1 ♥	1 ♠	2 ♥	3 ♦
Pass	4 ♦	Pass	5 ♦
Double	Pass	Pass	Pass

Today's hand was played in a recent duplicate game at the MIT Bridge Club. North-South pushed on to this over-optimistic game, because they desperately needed a good score to improve their game.

Thought to entire hand West led the 5 of hearts and before playing a card from dummy, South gave considerable thought to the entire hand, not just the first trick. He saw immediately that he had to try to hold his losers to just the Aces of diamonds and spades if he were to make his contract. South's task, then, was to figure out a distribution consistent with the bidding which would allow him to lose only those two tricks.

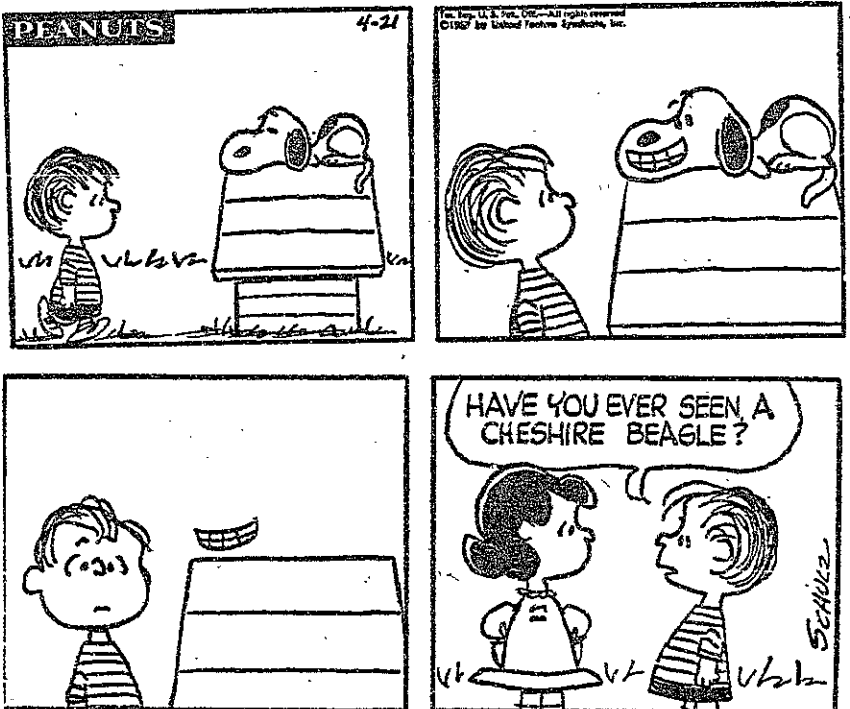
Since East doubled 5 Diamonds, he was likely to have at least four trumps or a holding which included both the AQ of trumps. But there is no way for South to lose only one trump trick if East has four trumps, unless they are precisely AQ43. In short, if South were to succeed, he had to assume that East held the AQ.

Having placed East with those cards, he next thought about West's hand. There were only nine high card points left which West could have. In view of his takeout double, he was marked for at least the Ace of spades and the K of hearts with length in both suits. This meant that South could never hope to make more than one spade trick. Therefore, South had to try to win 4 diamonds, 4 clubs, 2 hearts, and 1 spade.

Now realizing precisely what he had to do, South played low from dummy. As expected, East did not have the K and the Q won the trick. South led a low club to dummy and played the J of trumps which held the trick. When West dropped the 9 on that trick, things began looking brighter for South. He continued with the 10 of trumps which was taken by East's Ace. East then led a spade. West properly withheld his Ace letting dummy's Q win the trick. Dummy's last trump was led to South's 8 and the K then drew East's Q. Now South played the Ace and then J of clubs, overtaking the second round in dummy. South had to hope for a 3-3 club break. When they did break evenly, he was home. He discarded his two low spades on the fourth club and the Ace of hearts. He still had to lose one spade trick, but his last trump was the game-going trick.

### Lucky 'top'

South was very lucky to make the hand, and get the "top" they had been shooting for. However, only because he thought before he played at the first trick, was he able to take advantage of the favorable distribution of the cards.





# MIT strives for future excellence

## Johnson plans innovations

The immediate future will find MIT moving ahead to new and better horizons. This upcoming period will be marked by changes in the physical as well as academic outlook not only in the eyes of those associated with the institute but also with the millions who regard MIT as the school in our world of modern technology.

### Three areas of change

As described by President Howard Johnson, these ramifications are occurring in three major areas: the physical plant and buildings, the atmosphere surrounding the campus, and, most important of all, the curriculum.

In this first division, it is obvious that "dynamic" is certainly apropos in physically describing MIT. The Center for Advanced Engineering Studies, adjacent Building 7, is almost completed; McCormick is hopefully readying its new wing for the upcoming academic year; Eastgate Apartments and a new chemistry building are under construction; Vassar Street is the scene of the almost completed center for Space Research; and, finally, the ground is soon to be broken for the construction of McGregor Dorm just west of Burton House. We can look forward to realizing the completion of all of these projects in the next two years.

### Campus atmosphere

Surprising to Tech students is that more greenery, shade, and an atmosphere of relaxation are being incorporated into the formerly sterile campus. The Great Court is cluttered with sunbathers now that the warm weather is setting in. This aspect of innovating is perhaps the most significant, since a change in environment can certainly lead to a more relaxed student attitude toward studies.

The final area of change is, of course, in the very heart of MIT, its curriculum. Freshman humanities have been greatly expanded so that today an incoming student has a choice so varied that one can't help but enjoy fulfilling his first year humanities requirement. In addition, new courses are continually being created in such diverse fields as oceanography. For further information, see the article on page 8.

### Student freedom

When asked about the large amount of freedom given students at MIT, President Johnson commented that the responsibility exhibited by the student body assured him that this freedom giv-

en Tech students had not been misused and brought about better relations between students and faculty. The President also expressed confidence in the work accomplished by Inscomm in the past months. The newly-formed Student Committee on Environment has its work cut out for it in attempting to promote the latest changes in campus atmosphere.

### New type student

President Johnson was also enthusiastic about the potential abilities contained in the "new

type of individual" now attending MIT. In his opinion, the change was primarily due to better high school preparation for college life. The Institute is attempting to assist all students by increasing amounts of financial aid as well as taking an interest in each individual student. "Each student who is forced to drop out is considered a faculty defeat."

Yes, MIT is certainly moving ahead. The startling innovations now appearing clearly point toward a better life for graduates and undergraduates alike.

## Institute Committee tries to fulfill students' always increasing needs

Each UAP embarking on his year in office tries to predict what the year will hold and how his energies and abilities may be directed to make this next year better than previous ones. Bob Horvitz '68, is no exception. The past year's Inscomm focal point has been one on the move to the Student Center and reactions to this move. The Class of '70 was the first to enjoy a completed and functioning Student Center; its arrival has catalyzed a rapid growth of student activities and government.

### Year of precedent

In many ways, next year will

be completely different. . . There will be no great organizational or physical changes as in the past. Nevertheless, this is a critical year, one of precedent. Horvitz divided the objectives of this year's Inscomm into four major areas; academic, environment, extra-curricula, and social.

Inscomm's academic goals have been stated in other areas of this issue. Essentially, the Student Committee on Educational Policy is continually seeking to ease the pressure on the MIT student.

The Student Committee on Environment is concentrating on creating an atmosphere on campus more indicative of the feelings of the majority of the student body. Students can now take an active part in designing physical portions of their campus.

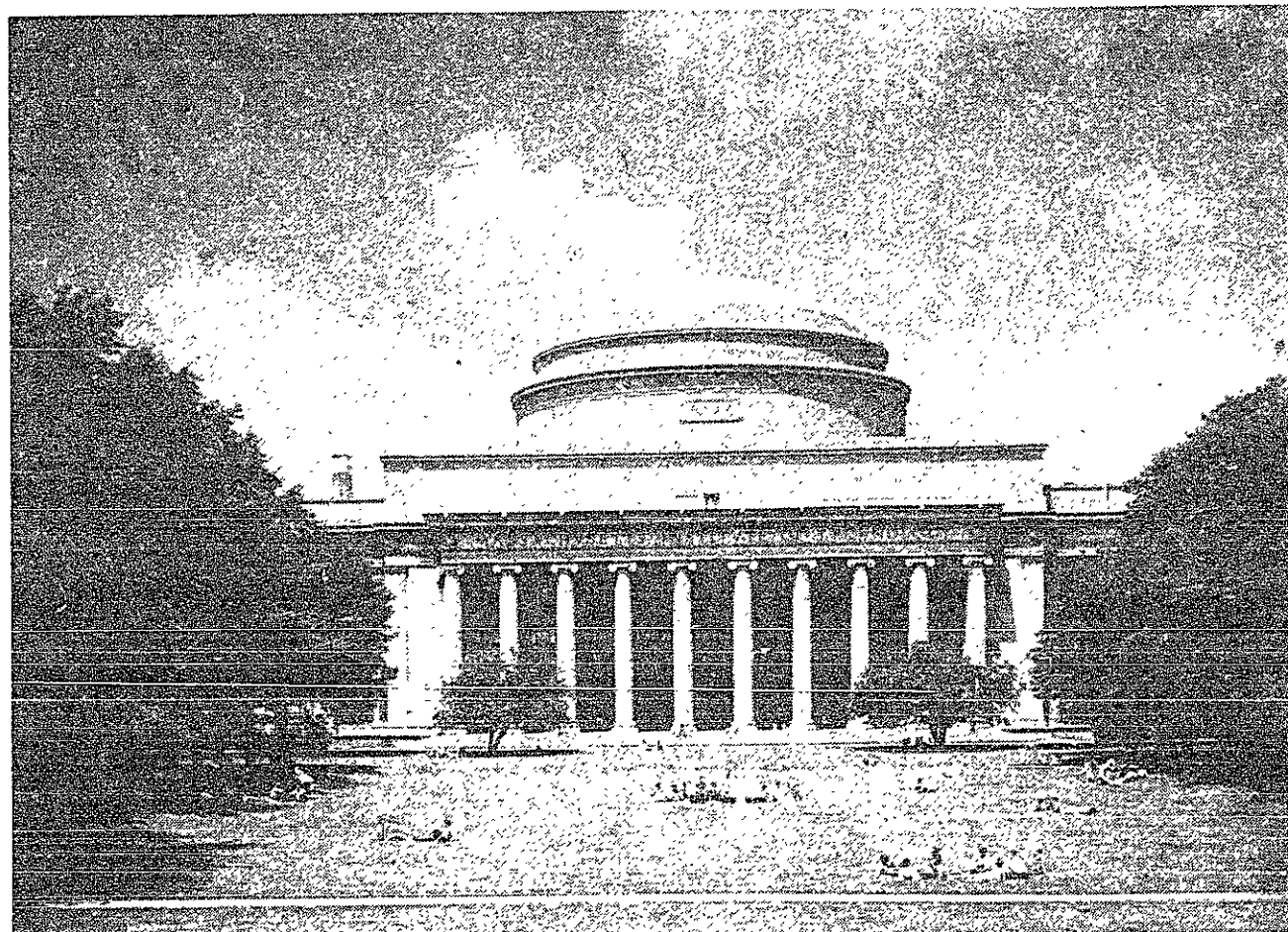
### Extra-curricular objectives

In the field of extra-curricular activities, Finance Board is attempting to expand its budget into the \$100,000 range. Activities Executive Board, Public Relations Committee, and Open House Committee are all striving to present a diversified area of activities in which any student can find happiness and take advantage of this important aspect of the education offered at MIT.

Finally, weekends and blasts have become an integral part of life at the Institute. Inscomm is attempting to accurately incorporate these social events into the school calendar and thereby provide sufficient opportunity for all to enjoy themselves at campus events.

To meet the demands which this year imposes, student government must be responsible and imaginative. Those working on Inscomm committees this year eminently reflect these characteristics. JP was bigger and better than ever before. Spring Weekend is rapidly approaching. Plans are under way for an intercollegiate conference in the spring of 1968. Student-Inscomm, Inscomm-faculty, and student-faculty relations and communications are improving tremendously.

Student government at MIT, then, certainly plays an important role in the life of all Tech students. The diversity of activities allows ample room for all to find interest in at least one of them. UAP Horvitz urges all targe of this extra-curricular aspect of education offered here at MIT.



## Student government

# 3 divisions form Inscomm

Like almost all colleges, MIT has a student government. Unlike all colleges, however, the system is both powerful and efficient. This system is divided into three parts: living group government, class government, and the committee structure. All three are joined into the Institute Committee, or Inscomm, the student governing body.

MIT is a residential college with two thirds of the students in dormitories and the rest in fraternities; both have a large amount of control over themselves. Each of the dorms has elected officers who work with the dean's office and the Dormitory Council to determine policies regarding such rules as parietal hours.

### Interfraternity Conference

The fraternities, most of which

are off-campus, have even more autonomy. Each house has almost complete control over its activities, ranging from care of its physical plant to community relations. An Interfraternity Conference provides the fraternities with a forum to exchange ideas, unite to purchase commodities at a lower price, and establish controls over such activities as rushing for the benefit of the fraternity system as a whole. Closer work between the Dormitory Council and the IFC is planned in the future to improve dorm-fraternity relations.

### Class government

Each class also has its own system of government. The Freshman Council, composed of living group representatives, introduces the freshman to student government through preparation for Field Day, sale of Beaver Pins, and a feedback program designed to obtain opinions about the freshman courses. The upper classes are governed by a president and an executive committee. Their duties include supervision of class rings, Junior Prom, and certain concerts and dances.

### Inscomm subcommittees

The third division is the committee structure, composed of Inscomm subcommittee with a wide range of tasks. The Finance Board and the Activities Council regulate and finance over 80 activities with a budget that will approach \$100,000 next year.

The activities structure, run by the students, provides areas of interest from the newspaper to strategic games. Control of the

new Student Center lies in the hands of the Student Center Committee. Other subcommittees concern themselves with such areas as Freshman Orientation, the MIT image with the public, and disciplinary problems.

### SCEP

In these times of student dissatisfaction with their lack of contact with the academic policy makers, the Student Committee on Educational Policy (SCEP) is a medium between the administration and faculty and the student.

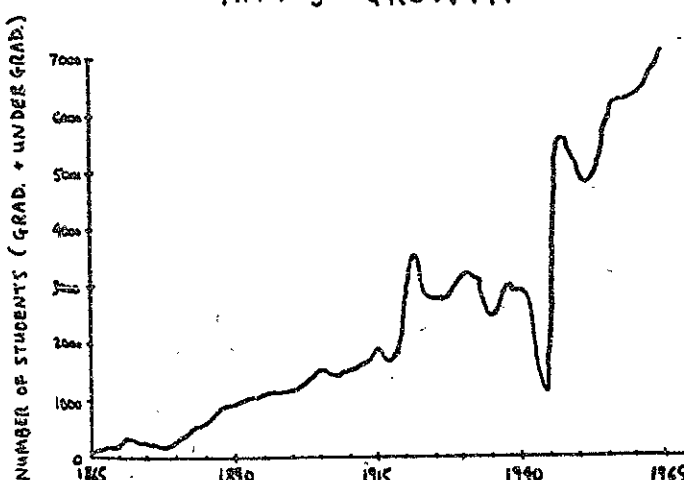
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## Members of Executive Committee guide Inscomm through this year



The executive committee of Inscomm, from left: Dave Peterson '68, SCE chairman; Al Singer '68, AEB chairman; Bob Horvitz '68, UAP; Rick Karish '68, Fin Board chairman; Clyde Rettig '68, Secretariat chairman.

MIT'S GROWTH





# Student life combines...

## Gardens vie with buildings

### New campus architecture meets research demands

In an effort to meet the continually increasing demand for more advanced research and instructional facilities from the nation and its students, MIT has, in recent years, embarked on a program of expansion of unprecedented magnitude. New research facilities and improvements to the old are constantly under construction throughout the campus. Always striving to fulfill its goals of service to industry and the nation, MIT is expanding rapidly to retain its reputation as an institution of higher learning that is unsurpassed in the world today.

#### Center of student affairs

During this period of growth, nearly all departments have benefited in some way, shape or

form. The Julius Stratton Building has become the center of student affairs. The reading room is in use 24 hours a day, allowing many students to make their home there. The Student Center contains the Tech Coop, a pool room, a bowling alley, a barber shop, and public dining rooms. It is the center of many student activities and student government. There are various rooms for reading, TV, darkrooms, and lounges. The Sala de Puerto Rico is the scene of many social events during the year. On the fourth floor, several activities have offices in which they make their headquarters.

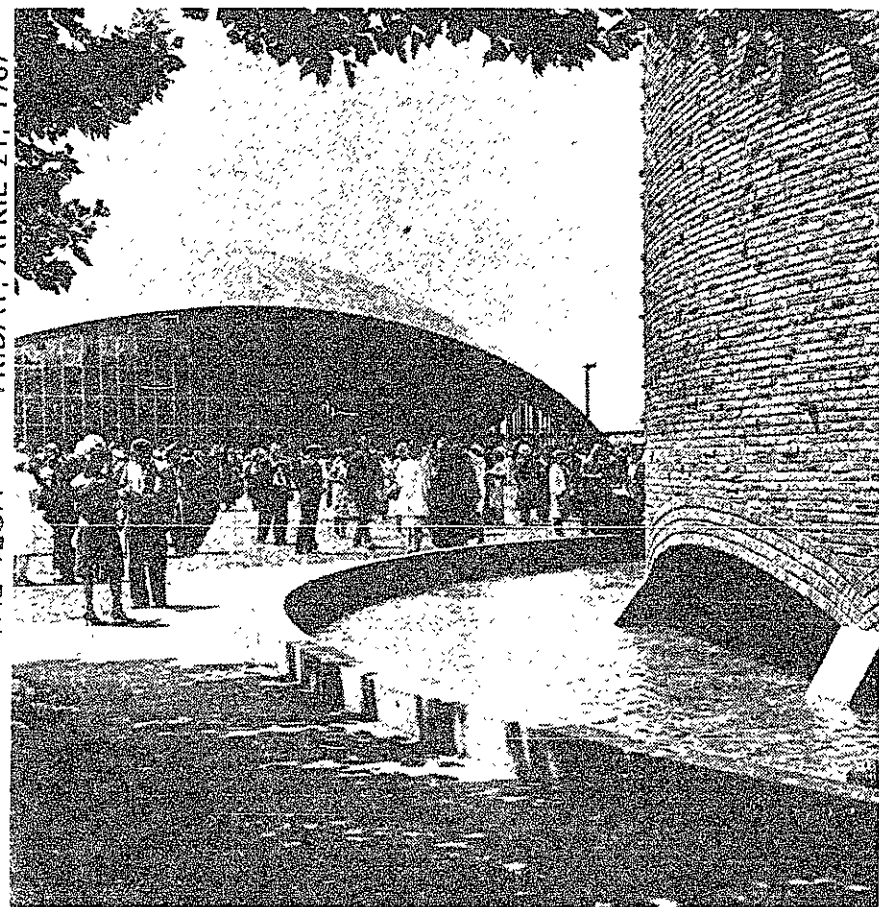
#### New buildings

The Cecil and Ida Green Building is a prime example of the new growth at MIT. The enormous height of the Green Building makes it the focal point of the campus. Its twenty stories house research facilities for the geosciences, oceanography, and meteorology as well as classrooms for courses offered to all students.

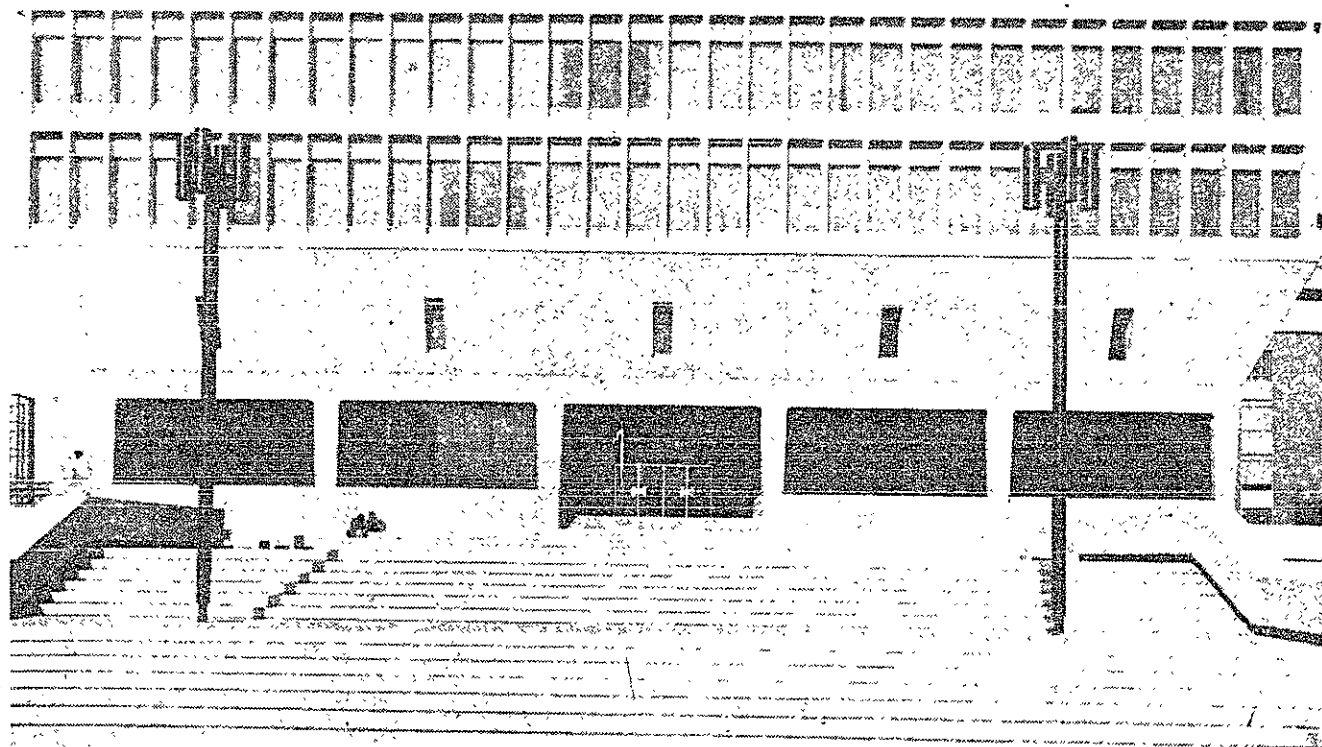
On the East Campus are the Hermann Building and Eastgate. The Hermann Building contains the Institute's Humanities facilities. See the picture on page 6 for a good view of this new building. Eastgate, the Married Student's Housing, is nearly completed and will be ready for occupation next year, thus releasing pressure put on facilities for housing due to a shortage of rooms.

The Pierce Whitworth Boat House was dedicated at the beginning of this year. Located on the Charles River, it contains all the equipment necessary to keep the rowing teams in shape year 'round. There is a distinct possi-

(Please turn to page 7)



The Kresge Auditorium and Memorial Chapel form an axis for West Campus. The Auditorium seats over 1200, and has a roof of radical design shaped like a spherical triangle, while the chapel's pool and cylindrical form allow light inside the building.



The Hermann Building, in the East Campus, houses the Dewey Library of Economics and Management, and the offices of the Departments of Political Science and Economics. It is part of the complex growing up around the Alfred P. Sloan School of Management. The Eastgate Tower, now being completed, which will provide 20 stories of housing, is also part of this complex.

## IFC accepts more responsibility, as fraternities attempt to improve

The fraternity system at MIT must be considered an integral part of the educational experience to be gained at the Institute. The accomplishments of the past year and the expectations for the next demonstrate the mature acceptance of responsibility which marks MIT fraternities as a major influence in the growth of the individual. The Interfraternity Conference not only accepts, but also demands the responsibility to shape itself and its environment. Because of this, the IFC maintains a great degree of autonomy, without losing the full support of the administration.

#### New England leadership

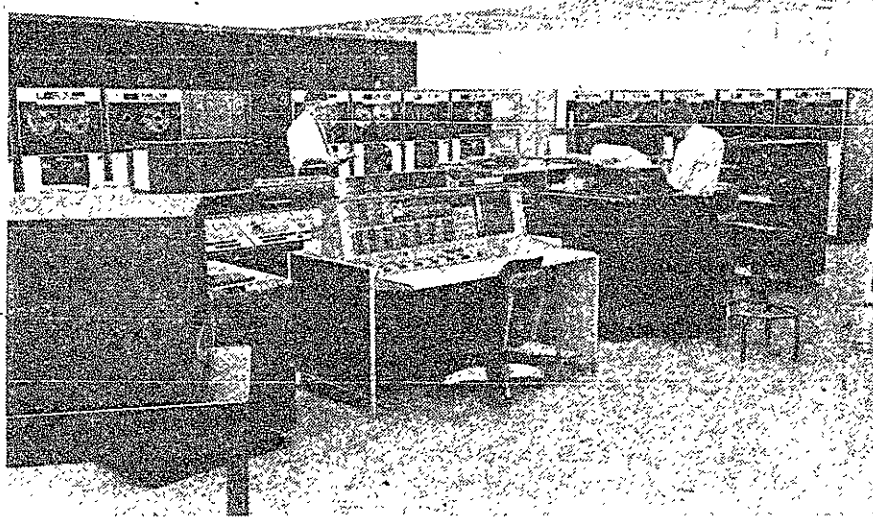
The leadership of MIT fraternities in the New England area was demonstrated through its hosting of the New England Symposium on Fraternity Morality, which included such speakers as Dr. James R. Killian, Chairman of the Corporation, and the Honorable John Volpe, Governor of the Commonwealth of Massachusetts. The symposium expressed one of the guiding philosophies of the MIT community: the individual must make his own choice, but in so doing he must assume the responsibility for respecting the rights of others.

#### Community responsibility

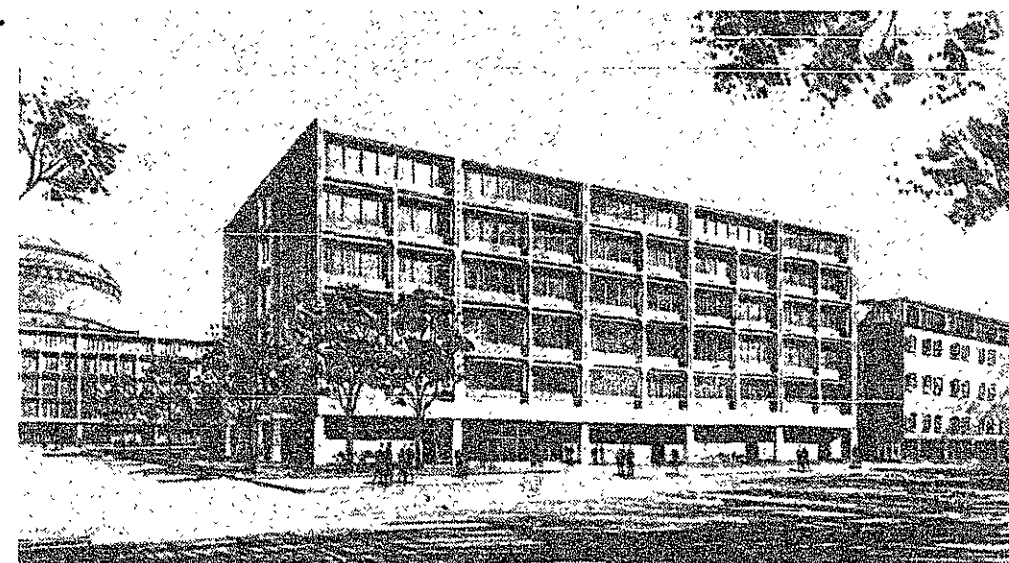
Moreover, the Interfraternity Conference has also demonstrated its leadership to the community in which it lives—the annual IFC blood drive gained much-needed blood for hospitals in the Boston area, netting a near-record 300 pints this year. In addition, the IFC has instituted a community relations program to show that MIT fraternity men intend to be responsible citizens.

This program has been carried out in a number of ways. At a recent IFC meeting \$2500 was presented to the Back Bay Planning and Development Corporation to show the IFC's deep concern with the long range planning and development proposals which this group is concerned with. "Operation Clean-Up" was instituted by Back Bay fraternities to enhance the physical appearance of their neighborhood, while the new Community Relations Committee of the IFC has been instrumental in establishing MIT fraternities as a responsible voice in the discussions and decisions of various committees of residents in the Back Bay.

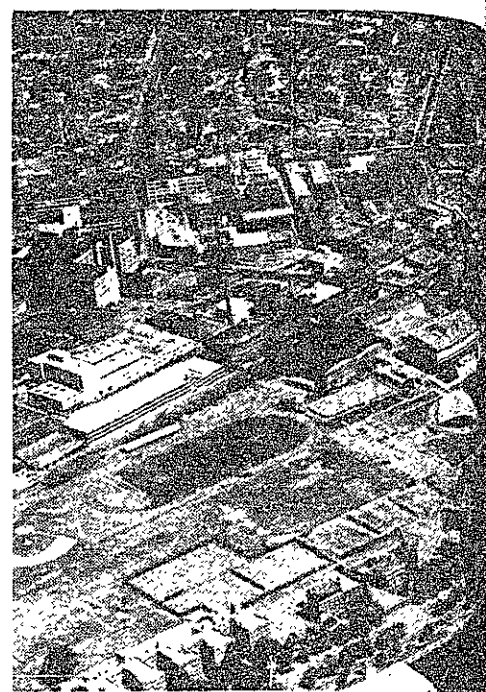
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Similar in design to the Vannevar Bush Building, the new Computation Center is scheduled for completion this year. The building will allow the centralization of the Institute's computing facilities.



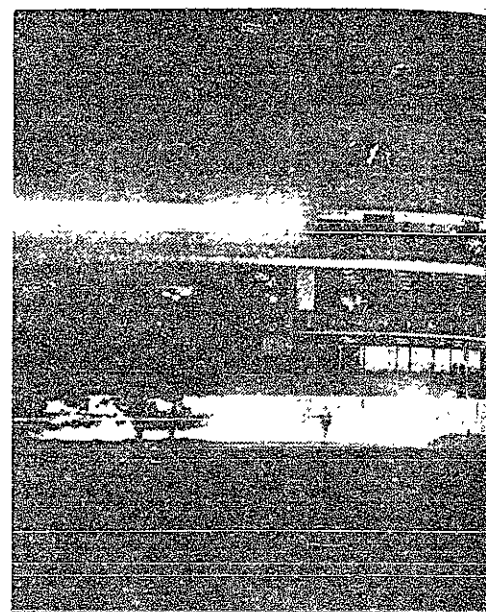
The Center for the Space Sciences, soon to be completed, will house projects, laboratories, and offices for personnel working on projects related to astronautics. The building, partly financed by NASA, will be located between the Gas Turbine Laboratory and the Computation Center.



MIT stretches for a mile along three blocks inland. The main building and Chapel, and the MIT Student Center is Technology Square, a commercial area.

## Student Center

### Varied for



"Dynamic" is the word to describe the life in the Student Center; it remains the same from week to week in the building. One Friday night cotheque mixer in the Sala, the next may find a live coffeehouse going on the mezzanine lounge.

#### Reactions influential

This transient movement, however, is not the only type of change occurring in the Center. There is also a constant appraisal of student reaction to the various activities and their successes. These lead to new experiments which are closer to student needs and wants. Part of the reasons for this change is that in many ways the Student Center is a visible sign of the MIT students live outside the classroom. Together with the nearby athletic facilities, the chapel, Kresge Auditorium, the Student Center serves as a place for nearly every form of student activity outside the classroom.

Since student life is quite diverse, also often misunderstood, change is needed in order to meet demands as well as possible. As time goes on, the changes will become more apparent. The Student Center, however, will continue to conform to the desires of the student.

#### Many new problems

Since the building has only been in use a little over a year, some of the problems associated with space allotment are still cropping up. The majority of the problems existing today, however, are on the promotion of activities and development of future plans for various

The four pages of this report were prepared by the Relations Committee of the IFC.



77 Massachusetts Avenue, the complex of buildings, lies directly across from the Student Center. A pedestrian crossing carries foot traffic safely and efficiently.



# freedom, organization

## Another view of campus: quiet spots among activity

(Continued from Page 6)

bility that MIT's crews may improve solely because of this new facility.

There are many research facilities on campus. The High Voltage Laboratory conducts research using high-energy x-rays in cancer therapy, and food sterilization and preservation. The National Magnet Laboratory provides a center for research of intense magnetic fields, solid-state physics, and magnet technology. Work has been started on the Center for Space Research and the Advanced Engineering Study Center.

### Another view of campus

The buildings are only one aspect of the campus. Just walk around in all the little nooks, between the buildings and even in the buildings. There are gardens everywhere. Though small they mark a striking contrast with the buildings. The silence and peaceful atmosphere allow one to escape the hurried activity and burdensome knowledge of MIT for a time. Many students spend happy between-class hours relaxing in these peaceful areas.

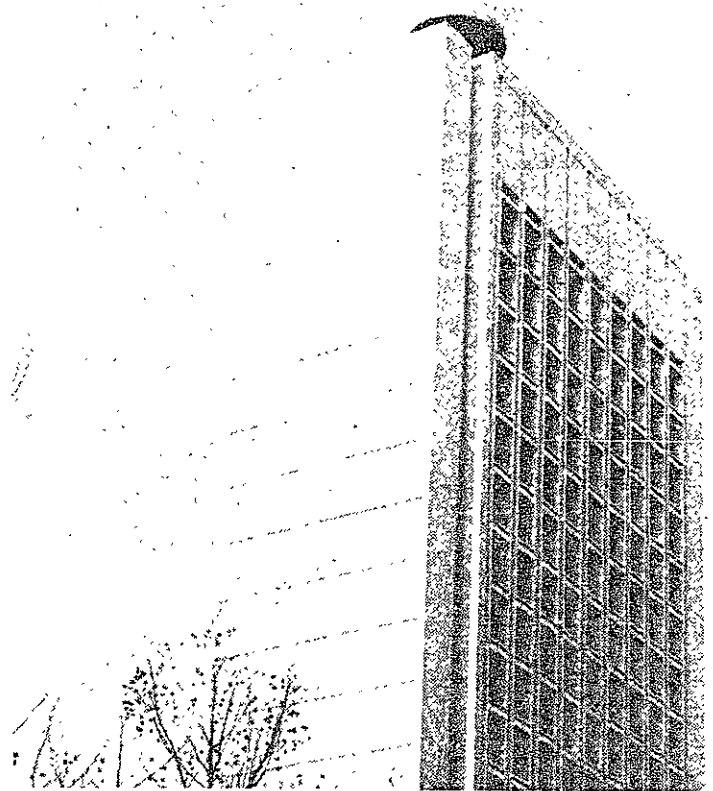
Where are these places located? Take a tour. Start behind the Student Center and then visit the garden next to Vannevar Bush Building. The Great Court and the gardens by the Hayden Library are next. From there stop at the court by the Green Building. The last garden is beside the Alumni pool.

### Something new

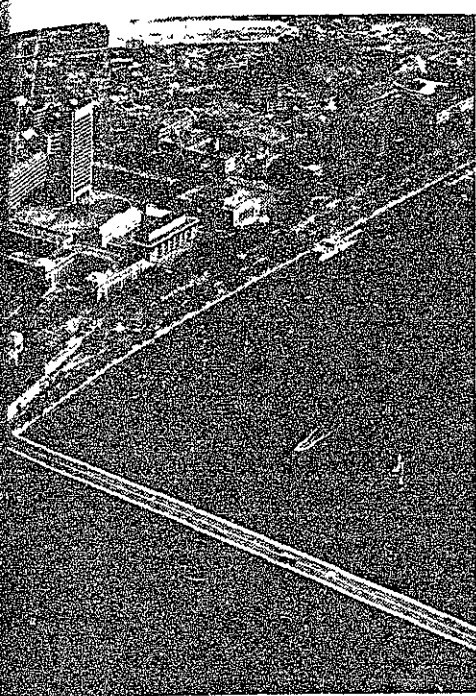
Soon members of the MIT community will be able to have a hand in remaking the physical plant. The Student Committee on Environment is sponsoring several

programs to generate enthusiasm for the campus and find ideas on how it can be changed. There will be a contest for students to design a classroom. Some offices in Building Seven will be remodeled along the lines of the proposed design most acceptable to the judges. The Student Committee on Environment will also put out a "Design Your Own Institute Kit," complete with map of the Institute and crayons for making any changes that one desires and thinks that have a possibility of being implemented.

Yes, there are two sides to the MIT campus. Both are important and help to counterbalance the other. Try and see both sides before making any decision on the beauty of the MIT campus.

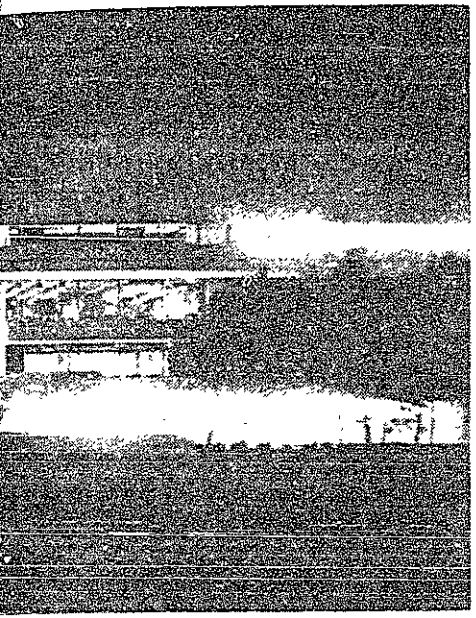


With nineteen floors of precast concrete, the Green Building is the tallest structure on campus. It is the home of the Earth Sciences including the departments of Geophysics and Meteorology.



in, and extends an average of two to the center of the picture, Kresge Auditorium on Massachusetts Avenue. Toward the top of the picture is the MIT Chapel.

provided



associated with the Student Center. Among the existing facilities are the all night library, the post office, and a cashier's office. It is difficult to see the real value of these services when they have already been incorporated into the daily life of the community and go almost unnoticed. Some of the facilities and services are not quite as well known: meeting rooms which are reserved exist on the third floor; many activities have offices on the

problem of a different sort is found in the bowling alleys and pool room in the basement. The demands placed on the facilities often exceed their capacity. There is also the problem of caring for the facilities to keep them in top condition. The Chimneys is a smashing success on the third floor, providing late night study for students taking breaks from their study.

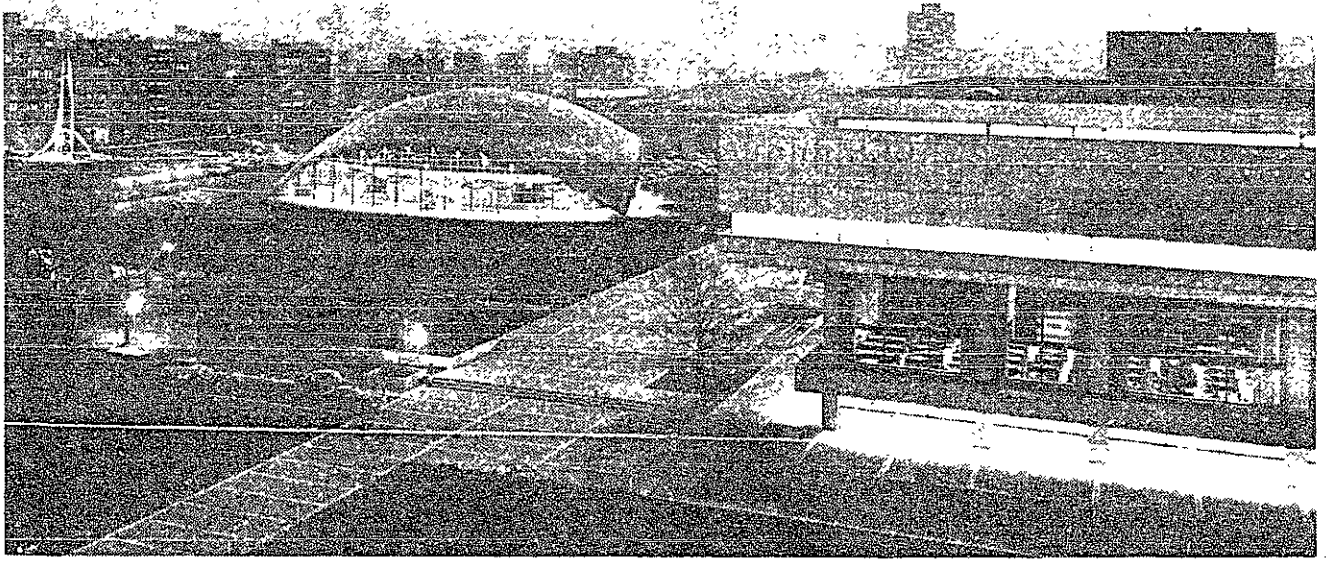
### Daily changes

Though it would seem that the long planning in the building should be over, it is still going on. A marketing study of the dining services may help in a major reorganization. Long range plans also call for possible expansion of the roofing areas around the Student Center for fall and spring use. The expansion in the West Campus and the possible construction of a new Student Center will induce more long-range changes in the Student Center, so that it will be ever changing in its effort to be a center for life.

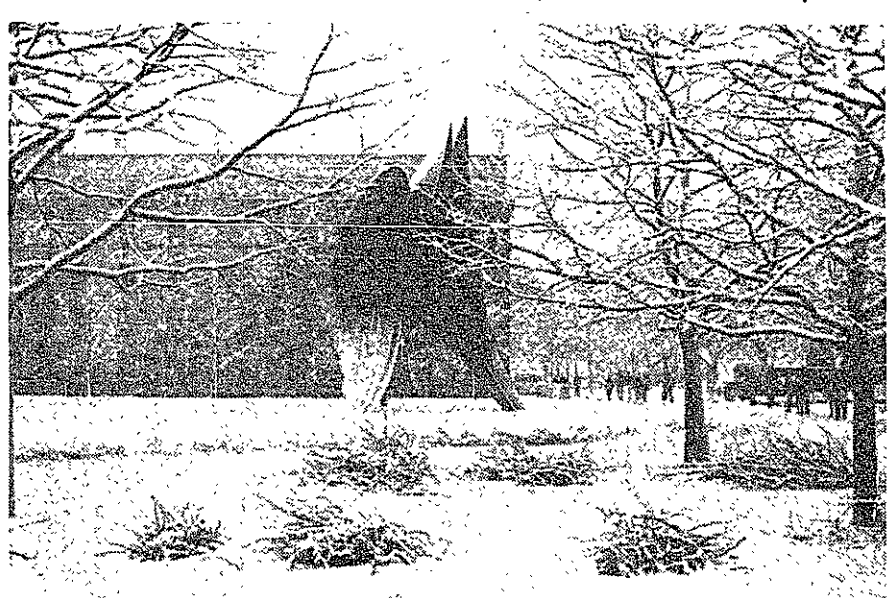
Prepared by the Public Information Office of George Katsiarcas.



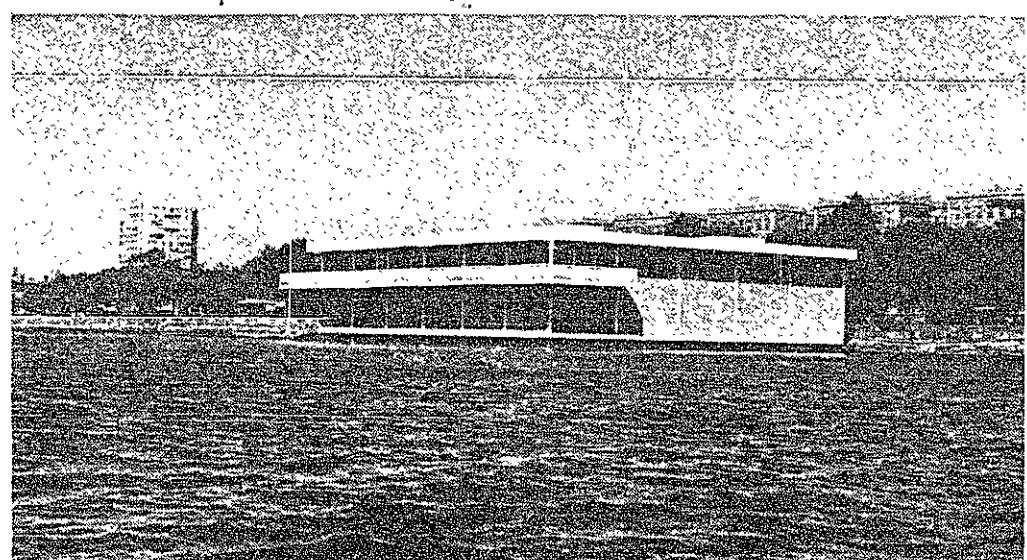
major entrance to the main building from the MIT Student Center will, in the near future, be completed.



MIT's West Campus includes the Julius Adams Stratton Student Center (foreground), Kresge Auditorium (center) and the MIT Chapel (left). In the background, stretching along the Charles as far as Westgate Tower, are some of the dorms: Burton and Baker Houses, McCormick Hall (Women's residence), and four of MIT's 28 fraternities.



Winter has its compensations; though life often seems as gray as the February sky, the Big Sail takes on a new dimension in the gently falling snow and offers visual relief for passing East Campus residents.



Tech oarsmen practice the entire year now that the Whitworth Pierce Boathouse (right background) has opened. Varsity and Freshman teams in Heavyweight and Lightweight divisions compete successfully with teams throughout the country.

## Objects of reform include rush week, pledge training

(Continued from Page 6)

Considerable work (such as rewriting the Rush Book) has gone into making this coming year's Rush Week more worthwhile for all those who attend, and a record turnout is expected. This year the Rush Committee is hoping to inform more foreign students about Rush Week so that they will be encouraged to attend. Thus, they too will be able to take advantage of the opportunities and experiences afforded all who attend. As a result, Rush Committee expects Rush Week to play an important part in freshmen orientation.

When asked about the new emphasis on pledge training, Tom Neal '68, chairman of the IFC, replied: "We are attempting to run an integrated analysis and reevaluation of the goals and objectives of pledge training. This is being done through a series of meetings of the Executive Committee with house presidents, pledge trainers, and all other interested parties. As a result, next year's pledge training is expected to be a meaningful, worthwhile program from the viewpoint of both the fraternities and the pledges themselves."

As part of the IFC's continuing program emphasizing academic achievement (among pledges, as well as active brothers), Tom added that "the IFC's Institute-supported, increasingly successful, resident tutor program attracted a number of graduate students to live in fraternities to help guide the undergraduate's scholastic achievement."

### Value of system

It can be seen that the IFC has been changing to fulfill a major role in the education and growth of the individual. The true value of the fraternity system applies not only to the men in the fraternities, but also to the MIT community itself, as well as the residential community in which the fraternities live.

It must be remembered, though, that the real value of the fraternity system is not as tangible as a blood drive or an "Operation Clean-Up." As former President Julius A. Stratton has said, "the greater values which the (fraternity) system brings into the life of the school are not material; they arise from the enhancement of social, cultural, and intellectual growth which a notable number of men derive from the life of a fraternity."



## Seeks rounded campus

# Admissions has double task

One of the most important and most difficult tasks of any group within the Institute is that of the Office of Admissions. Located in Building 10, this office is charged with the selection of MIT's future student population.

To those outside, the admission procedure appears as a mass of forms and an uncertain period of waiting, climaxed by a decision on the part of MIT. Needless to say, this procedure is much more involved than it appears on the surface. It is necessary to the Institute and students alike in order that both obtain maximum advantage of each other.

### Basic responsibilities

The Admissions Office has two major responsibilities. First, it must make the environment and facilities of MIT distinctly attractive to the superior student. In this capacity, the office must function both as a public relations group and a liaison between MIT and success-bound high school students. The importance of this activity has increased recently as the competition among major colleges for top students has become more keen.

Secondly, the Admissions Office must decide who will be allowed entrance into MIT. This task is of unparalleled importance not only to the prospective student, but to the Institute as well. The con-

tinued scholastic and creative superiority of MIT ultimately depends upon a superior student body. Without effective admission procedure, neither of these two objectives could be carried out.

### Prospective admittees

What does MIT look for in a student when he applies for admission? In the words of the Admissions Office: "In selecting students for admission to MIT we are guided by two broad objectives. 1) We want to be sure that each student has the qualifications and ability to do the academic work here. We are, first, an academic institution, and we seek students who have both the ability and the desire to carry on rigorous and challenging courses of study. We are well aware that everybody loses if the student fails; hence, we try to keep academic casualties to a minimum. 2) We seek a group of young men and women of whom we will be proud. We expect that each will contribute something of interest to the life of the MIT community; and we sincerely hope that each will become a successful alumnus in both the professional and community sense. As a residential institution polarized around science we are dedicated to the education in the broadest sense, not merely to academic or professional training. Such a general educational process depends heav-

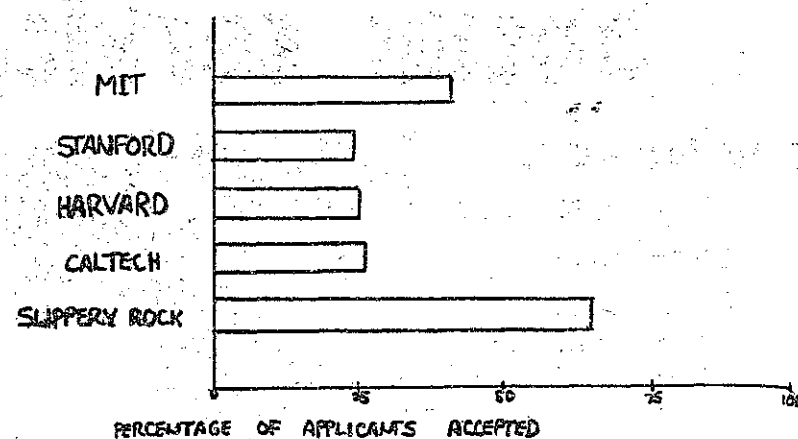
ily on student relationships.

### Process of selection

"These objectives have led us to develop a selective process which involves three major aspects: 1) prediction of academic achievement, 2) evaluation of general personal qualifications, and 3) recognition of truly outstanding interests, activities, or achievements. We recognize no way of assigning weights to these factors; low values for either of the first two will usually preclude admission, while an extremely high value for any one will not guarantee admission."

### Expected achievement

Prediction of academic achievement is based upon the applicants high school record, college board results, and recommendations of alumni, teachers, and other persons with whom the applicant has had extensive contact. Although no exact importance is placed upon each of these factors, a generally high quality of academic promise is required. Personal Rating is a purely subjective process where each applicant is reviewed by members of both the



faculty and Admissions' staff.

Outstanding qualities have become more important in recent years as the role of technology has been re-defined. Again in the words of the Admissions Office: "In common with most colleges, we seek a well-rounded class, and in common with many, we recognize that this does not mean a class necessarily composed of rounded individuals.

Rather, it means a group of academically able students, each of whom has some real contribution to make in a campus community. We do not ask that the individual himself conform to any preconceived notion of balance, versatility, or well-roundedness; but we do hope that he will have some attributes well enough developed to make him interesting—even exciting.

"Ideally, each student will bring to the campus some skill, interest, or characteristic that will strengthen one or more of the community activities, whether it be in the field of sports, music, publications, service activities, hobbies, creative endeavors, or even something basically new and different. We seek students of this sort to enrich our campus life because we believe that these are the individuals who are most likely to contribute greatly to their professions, communities, and societies in later life.

"Hence our third step after having established the Scholastic Index and Personal Rating is to look for outstanding characteristics. These three evaluations form the basis for a final judgment decision by admissions personnel working as a group."

## Faculty receptive

# Liberal curriculum changes introduced

Although it is undoubtedly true that the raw talent of students entering MIT is extremely high, MIT's standing in the academic world would have fallen, if this talent were not developed. Both student and faculty have played

major roles in bringing forth curricular changes to benefit the student.

### Student's role

Given the opportunity to implement changes in the present academic system the students handle this responsibility well. In the past few years the Student Committee on Educational Policy (SCEP) accomplished many changes. A new freshman quiz schedule was begun with the Class of '69. This year two new freshman humanities options, 21.01S and 21.01X, were introduced. An advisory program was established for pre-med students. Seniors now have an option of taking one pass-fail course.

### Teachers' role

The faculty also is continually revising the courses. SCEP has prepared questionnaires on instructor improvement, subject content, and laboratory evaluation, which many teachers pass out to their students. Hopefully, the results will be applied to make these courses more meaningful and more successful.

### Changes next year

The freshman chemistry course (5.01) is being completely remodeled. For example, there will no longer be a required lab. The course will cover reaction kinetics and nuclear chemistry instead of thermodynamics and equilibrium.

The Physics Department is changing the content of some courses and replacing others. These changes are partly to increase the flexibility in the choice of subjects required for a degree and partly to enable physics majors to take more electives. Course XV (Department of Management) is in the process of reorganizing its undergraduate program.

### Programs being examined

There are several programs which are now under discussion. At present an experiment is being conducted to find if a lengthened reading period would be advisable. To settle this question, reading period this term will be a week long instead of just three days. Another possibility would alternate one or two days of read-

ing period with a day of exams. Non-required labs may soon accompany freshman chemistry and physics courses.

Other suggestions call for pass-fail courses in the sophomore and junior years or changing the freshman year to pass-fail. More opportunities for independent study may be available through more seminars for upperclassmen. An unspecified degree may be offered in the near future.

### Goals of education

The possibility of such ideas being put into effect depends on faculty and administrative interpretation of the goal of our educational system. Mike Telson '67, past chairman of SCEP, says "They (faculty) refuse to bound the definition of education." In a very real sense all extracurricular activities, sports, and even the living groups are part of the educational system. There is more stress on the individual developing a course of study to fit his goals, rather than fitting people into course requirements.

Greater scientific knowledge accompanied by MIT's diversification has resulted in a broadening of the undergraduate courses. The student is no longer trained to be a technician, but a thinker.

All this is preparation for the Tech student so that he may be qualified to take a position of authority and lead the world.

## Inscomm's 3 divisions offer policy, feedback

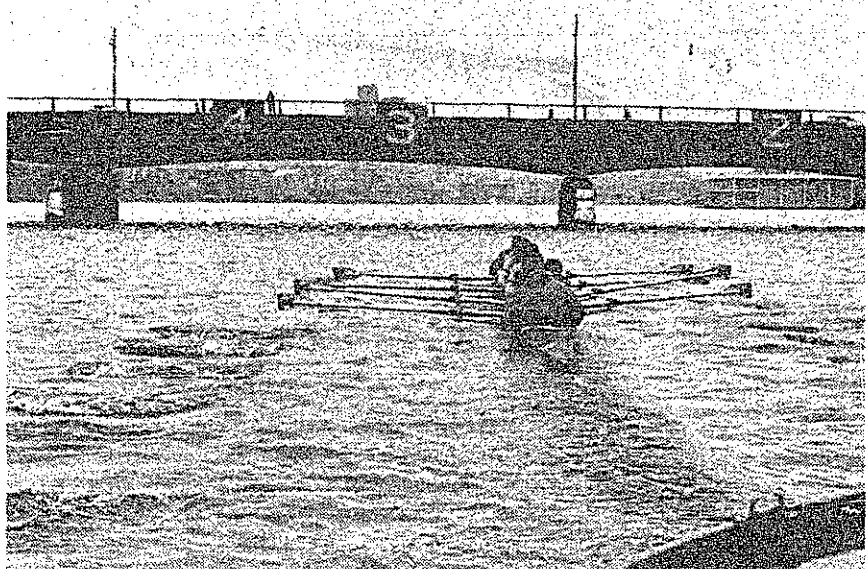
(Continued from Page 5)

dent body, both as a means of suggesting improvements in the academic program and of advising the administration on proposed changes.

### Inscomm

The dorm presidents, three IFC representatives, the class presidents, the president of the Athletic Association, the chairman of the Activities Council, and the Undergraduate Association President constitute Inscomm. This collection of student leaders from all areas controls many areas of student life. This varied structure provides Tech students with invaluable experience in positions of responsibility and leadership.

# Athletic activity strongly stressed to augment academic experience



Another few strokes to the Harvard bridge and three quarters of a mile to the finish line. Only the coxswain sees the finish as the tired oarsmen fight to lengthen their lead.

The athletic program at MIT has always been an important part of Institute life. Former MIT President J. A. Stratton called the system "an integral part of the whole of the Institute's extracurricular activities which are designed to help students grow in essential personal qualities of spirit and character." Somewhere in the thirty physical education classes, twelve club sports and nineteen intercollegiate teams is a place for every undergraduate and graduate, male or female. With activities ranging from touch football, basketball, and lacrosse to scuba diving, skiing, and archery, the physical education classes give the Tech student a chance to learn skills useful in intercollegiate and intramural athletics.

### Club sports

The club sports provide opportunities for students ineligible for intercollegiate play or interested in sports for which there is no

varsity team. There is a crew club for graduate students, and rugby, cricket, judo, cycling, gymnastics, and weightlifting give MIT athletics a variety which few others can match.

Competition between teams from all 28 fraternities and the five dorms is rugged as they vie for the intramural championship. Intramurals last throughout the year from football and wrestling in the fall through basketball, hockey, and bowling in the winter to softball, volleyball, and track in the spring.

### Women's athletics

Despite the relatively small number of women students, there are several outlets for their athletic prowess. There are basketball and mixed volleyball clubs, and the cheerleaders channel spirit during basketball games. In addition, there are three intercollegiate sports: fencing, crew, and the sailing team, which has

been New England champion for two years.

### Tech now winning

In recent years a new dimension has been added to MIT sports. Tech varsity and freshman teams are no longer the patsies of New England; they are beginning to win. For many years MIT sports followed the tradition of the football teams of the early 1900's which lost twelve games to Harvard by a combined score of 556-1 (TD's were one point during the first few games of the series). In 1936, the overall record was 25-75; in 1956, it was 47-89. Then last year the fine coaching staff and facilities, plus a new breed of Techman who had the dedication to stick with a sport, began to get results. The overall record improved to 108-133. This year has been a good one, and MIT has a chance to have its first winning record in many years, all despite the fact that MIT does not recruit.

### Varsity basketball excellent

The winter sports seem to be the key to the overall success. The basketball team was 19-4 and was named Eastern Collegiate Athletic Conference Small College Team of the Year. Despite a losing record against the finest in the country, the squash team was ranked tenth nationally. All former varsity records fell as the swimmers had a fine season. Led by Dave Schramm '67, undefeated in two years, the wrestling team was 8-2, and the freshmen were New England champions. Another New England champ was the fencing team. With the baseball and lacrosse teams promising winning seasons, and the sailing team already in possession of the Geiger Cup, MIT seems well on its way to establishing a tradition of excellence in athletics.



# Social service in MIT's backyard

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## SSC dedicated to community action, not a revolution

By Michael Rodburg

When a Puerto Rican child from South Boston was taken ill there were no doctors or nurses at the hospital who spoke Spanish — none of the family involved spoke English. A social worker had to be called in to act as interpreter for the frightened family.

Ellen Fleischnick '70, Secretary of the MIT Social Service Committee, observed this scene and decided to look into the problem further. As in most instances, she found that the Cardinal Cushing Center for Spanish-speaking People, which was trying to help, was woefully understaffed; in fact, an entire program for 150 Puerto Rican children of all ages was run by two part-time seminarians — not one professional.

### Rat-bitten child

The parents in the area were afraid and distrustful; one child lay ill from a rat bite for six weeks before the parents would consent to see a doctor. Often the children do not attend school and learn no English.

The Social Service Committee is looking into the possibility of getting Spanish speaking students to help out in the area. Though they modestly plan to begin with only five students, it is nonetheless 2½ times the current aid.

This is just one example of the kind of activities which concern the SSC. Surprisingly, however, when speaking with the officers of the committee, one is instant-



directing talented students toward college.

### More than tutoring

The tutor is more than a mere instructor. He tries to gain the confidence and trust of his tutee, as well as acceptance into the home. He is very often a big brother who provides an example of a more decent world, often the only chance for contact with such a world. The tutors have been known to try to get the parents to assume a greater interest in their child's future.

The SSC is in charge of this program, though almost half of its 200 tutors come from such schools as Harvard, Boston University, and others.

### Other projects

Other tutoring projects which the SSC handles includes one in the Cambridge Community Center which is paid for with funds donated to MIT for its dispersal. The Roxbury Arithmetic program has doubled its capacity under

time left for actual grass roots work, but the constitution requires it even of an officer.

The SSC is not on the activities council. One reason, explained Straus, is that people believed we were just a fad, "but we have a lot of reasons for being; we're not a fad and we'll be around for a long while."

### Institute support strong

MIT has stood behind the committee all the way. The Institute has demonstrated through the Committee on Community Services a consideration of its environs at the highest level. President Johnson has emphasized the importance of this commitment to the community on many occasions.

### A personal education

But beyond this, there is personal education for those who get out into the depressed areas. "MIT is an intellectual chastity belt, after a while a guy can see a kid running around and forget what they are," says Straus. Students, often times, visit an environment he might otherwise have only read about. He learns about people in another world, and broadens his own outlook as a result.

This kind of an education often shocks the idealist out of his ivory tower — the promising tutee on Monday is in jail on Friday.

When asked what a student does receive from his efforts, Rich Adelstein '68 responded succinctly, "He grows up."

## Cambridge boys motivated by weekly Science Camp

The MIT Science Camp is an experiment in education that has developed through the efforts of students and faculty members. What started as a summer program has continued through the year on Saturdays and expanded in size under the direction of Dr. Warren Brody.

boy, the leader tried to become part of the boy's family. He learned the cause of the boy's insecurity first hand. He tried to get the parents involved, and generally the leaders succeeded.

### Classes held

In order to deal with the lack of motivation, classes were held with professors who volunteered their time and effort. These covered such fields as biology, physics, logic, and sociology. The professors themselves were "cool." The spirit with which they taught impressed the boys. The image of intellectuals being unmasculine was broken down by the professors as well as the group leaders.

Initially, the program developed enough enthusiasm among the boys so that it could continue through the school year on Saturdays. The original size of 32 boys in the eighth grade was increased to 70 in the 8th and 9th grades last summer. 85 in the 8th, 9th, and 10th grades are expected this summer.

### Federal funds

The program had been supported by grants from the Division of Sponsored Research (DSR). At present, however, the federal government, acting through the office of Economic Opportunity, provides 65% of the necessary funds. The remaining 35% is obtained from private donations and charities. The program operates on a budget of \$108,000.

The program itself has met with many successes and failures. Student leaders and professors readily volunteered to put in much time and effort. MIT supported the program by lending facilities, such as lab space and materials. Incidents of bad behavior were met with as fair a reaction as possible. Even President Howard Johnson thought the program so worthwhile, that he spoke at a graduation ceremony Saturday morning at 10 am.

### Improvement in school

The boys themselves have in general shown improvement. 74% are doing better in school while only 3% are doing worse. Those from broken homes have greatly improved. They are generally happy and not bored. More important, the boys have much stature in their relations with the other boys in the community.

Most of the boys were of average intelligence. One boy, however, doing poorly in school had an I.Q. of 165. In his family of nine, three brothers were in prison and he had no father. He has greatly improved through the Science Camp activities. His main problem now is a lack of knowledge, although he is intelligent and motivated.

### Favorable reaction

Cambridge has reacted favorably to the program. The schools and parents appreciate the interest and results. The group leaders are well known and well liked as a result of the legwork and hours they have devoted to the boys. The leaders have found the program rewarding and satisfying.

The hope of the program is to develop educational motivation through the examples set by the group leaders and professors. With the aid of continued tutoring, some of the boys should be able to go to college and many should graduate high school. The MIT Science Camp has a chance to accomplish many deeds in the future.

## "MIT is an intellectual chastity belt"

ly aware that they are not starry-eyed idealists; theirs is a realistic approach to the community and its problems. Just recently the committee has shifted its publicity campaign away from one saying, "You can make the difference." This was just too rosy and unrealistic, said SSC president Steve Straus '68, "some you just see no hope for — what we are trying for is a little improvement."

### More control, coordination

Under the leadership of former president Bob Ferrara '67 and continuing with Straus, the committee has moved a long way from its original role of placing interested students in already established projects toward one of coordinating and planning its own programs.

Of the eight or nine projects currently under way, none has been as enthusiastically received by parents, children, faculty, and students as the Science Day Camp.

Tutoring Plus, a \$65,000 endeavor, involves some 200 neighborhood youths in its elementary school tutoring program and the high school version known as CEFUET (Contract for Encouragement of Fuller Utilization of Educational Talents — pronounced Seafoot). The CEFUET program is financed by the government on a cost-reimbursement basis with a sponsoring corporation. This means that a corporation pays the bills as they occur and is repaid by the government. The committee is now negotiating for a new sponsor. The entire Tutoring Plus Operation has achieved notable success; in particular CEFUET is aimed at

the leadership of grad student Bob Walker. This program has an added difficulty in that each tutor is given 2 or 3 students who may be at very different levels of achievement and ability.

The St. Joseph's tutoring project in Roxbury has met with a typical problem, a large amount of parent apathy.

The General Hospital program in Boston has provided many workers who contribute a wide variety of labor, from menial cleaning tasks to X-ray technicians, to physical therapists. The Mental Hospital program has students visiting with patients in the institution. Often they are chronic cases who would otherwise never have a visitor.

### \$200,000 each year

Overall the SSC works with between \$175,000 and \$200,000 a year. Its principle area of concentration has been area 4, that section of Cambridge directly behind the Institute.

The committee is still growing one, in its three years it has seen a tremendous increase in the number of participants and the complexity of its projects. This has led to a need for students willing to organize and direct the operations. Often times the volunteers are only interested in working in the areas, not willing to shoulder the burden of perhaps a \$50,000 project. According to Straus, "we are tying up the organizational ends." The project leaders are learning and growing with the organization.

Members of the committee often work directly with the community leaders, the parents, the politicians, the government, and the faculty. He may find he has little





music . . .

# Symphony Orchestra lacks unity

By Ray Hagstrom

The usual college concert presents mixed aspects. At the MIT Symphony Orchestra concert last Sunday, unfortunately, the bad aspects predominated.

The program itself was well chosen, given variety and depth. It consisted of Bach's Brandenburg Concerto, dances from 'Don Quixote' by Robert Gehrhard, and the Fourth Symphony of Dvorak.

The Brandenburg Concerto, the most important work on the program, received the worst rendition. The two flute soloists turned in acceptable performances, but the solo violin was weak in many places. Whenever technical difficulties arose, the dynamic level and confidence of the violin performance fell. At points during the faster parts of the solo, the violin was almost inaudible, while the flutes were still distinct. The accompaniment on this piece was lacking clarity, particularly in the violin section.

For the Gehrhard piece, the wind section was brought in and the string sections were brought to full strength. This addition, however, lowered the quality of the rendition. Many times there seemed to be confusion as to interpretation and even timing. In



Photo by Mike Brod

The MIT Symphony Orchestra in their performance last Sunday. Violin section pictured during performance of Dvorak's Symphony No. 4. Also on the program were selections by Bach and Gehrhard.

all, it appeared that the orchestra did not understand the musical import of the phrases they were playing.

The Fourth Symphony of Dvorak was certainly the highpoint of the evening. Here the orchestra was becoming a unit. Mr. Epstein was able to marshal them to his own interpretation of the piece. Still there were difficulties.

In general, the technical aspects of the performance were not good enough for the director's interpretation to show through. Nevertheless, there were several good points particularly the flute solos in the Brandenburg Concerto, the general performance of the low strings (especially the cellos), and the performances of several of the woodwind players. These features were not significant enough to offset the mistakes.

## Workshop on 'technique'

## Collegiates to exhibit works at Wellesley Film Festival

The winners of the college filmmaker competition conducted at Wellesley College have been chosen. The two prize-winning films, chosen from a field of seventy-five student films, will be shown tomorrow night at 8:15 pm as the focal point of the Wellesley Film Festival. Also shown Saturday will be seven films chosen to receive honorable mention.

The weekend will be initiated tonight when eleven of the next runners-up will be shown. Tomorrow will be full of events, starting with a showing from 10 am to 1 pm of still more student films in the competition deemed worthy of audience. Among these will be the MIT entry, "Le Demain de Delta," by Gerard Courtieux.

Two workshops will fill the early afternoon. At 1 pm, "Sound Techniques in Film-making" will

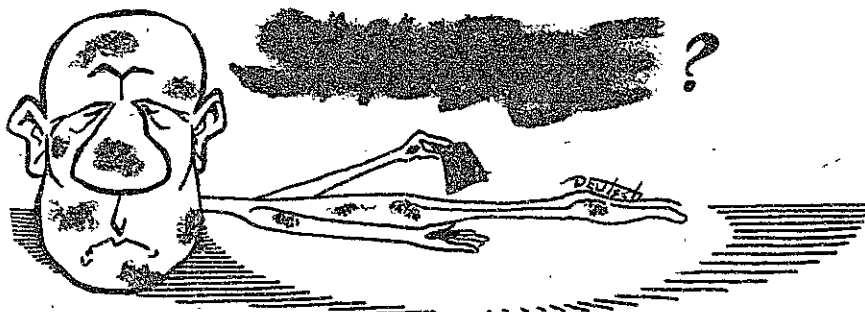
be discussed by Stewart Cody, of Harvard's Carpenter Center, while Mrs. Elodie Osborne will speak on "Film Aesthetics." At 2:30, there will be two workshops presented by the student filmmakers themselves, "America! You're Messin' My Mind" by Ed Chirico (CCNY) and "The Bridge" by Thomas Berman (Michigan). At 4 pm, Stan Vanderbeek will give a lecture and demonstration of his own work.

Admission is \$1 (Sat. Eve.), 50c (tonight), 50c (Vanderbeek lecture), all other events free.

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## Gorki's 'Lower Depths' presented as spring Dramashop production

Dramashop will present its major spring production, Maxim Gorki's "The Lower Depths" at the Little Theatre, Kresge Auditorium, Thursday through Saturday, and Friday and Saturday, May 5 and 6, at 8:30 p.m.

"The Lower Depths," to be directed by Professor Joseph D. Everingham, is set in a flophouse in pre-Revolutionary Russia, and is historically significant as the first proletarian or "protest" drama. It was written while Gorki was in exile because of his dangerous political reputation. Playwright Anton Chekov, a close friend of Gorki, encouraged the writing of the play and was instrumental in arranging the

premiere production at the Moscow Art Theatre in 1902 with famous actor-director Constantine Stanislavski playing Satine. Widely acclaimed at its premiere, "The Lower Depths" remains a favorite in the Moscow Art Theatre's repertory to the present day.

All tickets to "The Lower Depths" are \$1.50, and reservations may be made by calling x2910.

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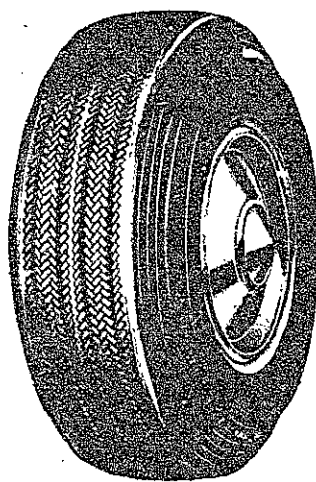
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# President Johnson, alumni appear at Assembly Ball

The 33rd Annual Francis Amasa Walker Assembly Ball, known as the most elegant social event on campus, was presented last Friday evening by the Walker Student Staff. The Assembly was attended by nearly 200 couples. Among them were the guests of honor, who included President and Mrs. Johnson, and many other well-known members of the faculty and administration, several alumni, some of whom traveled a considerable distance to be present, and students both on and off the staff.

The ball featured dancing to the music of Don Russell and his orchestra, the grand promenade at midnight, and entertainment presentations at intervals through the evening. First came a jazz trio with Prof. Roy Lamson on clarinet, Professor Warren Rohsenow on piano, and Mr. Guilford Carrier on drums.

## Engineering honoraries hold social for pledges

The Lobdell Dining Room of the Student Center will be the scene of the Eta Kappa Nu (Electrical Engineering Honorary) and Tau Beta Pi (Engineering Honorary) Pledge Social tonight. It will commence at 8 pm, and all members and their dates are welcome.

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Later, the buffet, decorated in the style of 'Alice Through the Looking Glass,' was interrupted by a Mad Tea Party. The night's entertainment was concluded with three solos by Miss Ruth Harcovitz, 'Ah! Je Veux Viure,' 'Sunrise, Sunset' and 'The Poor People of Paris.'

# Gilbert & Sullivan Society performs 'The Mikado'


Fantasy in an oriental vein will be the theme of the Gilbert and Sullivan Society's "The Mikado," to be presented tonight and tomorrow night at 8:30 pm in Kresge Auditorium.

A special children's performance will be presented tomorrow at 2:30 in connection with Open House, which is expected to attract some 30,000 visitors. Children under 12 accompanied by parent or teacher will be admitted free and high school students will be admitted for 50c.

Special stage and costume effects, under the direction of Ron Mallis, will highlights the Society's original interpretation. The chorus of twenty-four is being directed by Henry Heines, a course VI senior, and Stephen Weinberg, a course VIII sophomore, is musical director.

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## theatre . . .

# 'Odd Couple' affords little amusement

By Jeff Satinover

It was a very funny show, sort of, sometimes. You'd be hard pressed to find any "wit" in the show, but if you get right down to the nitty-gritty, keep your mind in low gear, and don't think too hard, you probably can turn "The Odd Couple" into a pleasant sort of comedy.

It must be said that both "Lonesome" George Gobel, as Felix Ungar, and Phil Foster, as Oscar Madison fill their roles to the brim. However, they weren't very deep roles.

**Bachelor apartment**  
Neil Simon, who wrote the play, has a rather cute idea: Oscar Madison is divorced from his wife; being the most unholy slob you've ever seen, his wife can't stand living with him. Felix Ungar, Oscar's best friend, is in the process of being divorced by his wife, because he is the most holy, impeccable tidy-nut you've ever seen, and his wife can't stand living with him. By now you've guessed it: they end up sharing an apartment together. Unfortunately, Neil Simon doesn't give the audience as much credit as I've given you — the reader — and felt that a long first act was needed to set the stage for their coming together; after which he uses a fairly fun-

ny second act to demonstrate how they come apart.

## Plot offers no surprise

It is said (by whom only English professors know) that surprise is the major element of humor. There is, alas, very little unexpected about the sequence of events which develop. As a result, the play's comic part must rest on individual lines and sight gags, of which both Foster and Gobel are masters. The expressions on Phil's face are fascinating enough to hold your attention when it's not being commanded by George's inscrutable loneliness. Then of course there's always Laura May Lewis, and Gloria Bleezarde, playing Gwen-dolyn and Cecily Pigeon, two mod birds whose figures are the only thing about them that really figure in the story.

All in all, the play was split between yawns, giggles, a few laughs and maybe a chuckle.

## Sets course record

# Wilson wins white water race

**By Stan Kask**  
Over the weekend Tech's White Water Club travelled to Hanover, New Hampshire, to compete in races on the Mascoma River. Tech's paddlers were unfamiliar with the river but came away with several honors.

Tom Wilson '67 set a record over the four mile downriver course by traversing the distance in 20:05.0. Wilson finished a minute and a half ahead of the second place finisher, a paddler from the University of Chicago. Ed Mattison, a special graduate student, captured third with a time of 23:48.0.

## Wilson's canoe damaged

Tech didn't fare so well on Sunday in the heavy slalom. Wilson's spray cover ripped, his boat filled with water, but he managed to salvage a fifth place finish. Ed Mattison placed eighth and Andy Zalay '69 paddled to a twelfth place. This was the first time that either Zalay or Matti-

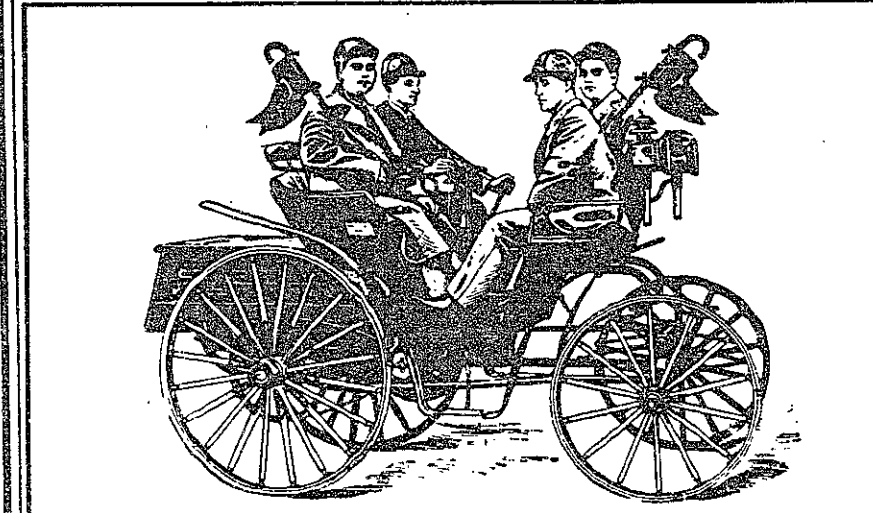


Photo by Tom Wilson

Andy Zalay '69 battles the rough waters of the Mascoma River in White Water competition last weekend. Zalay finished twelfth in the heavy slalom. This was the first time Andy had competed in a heavy slalom event.

son had competed in a heavy slalom race, which is run much like a slalom in skiing. The course was approximately a half-mile, with 25 gates which the competitors had to maneuver through.

Next weekend the Tech paddlers will journey to the West River in Jamaica, Vermont, to compete in the New England Slaloms. Wilson and Mattison are looking forward to May 14, when the World Championship team will be decided.



## For college drop-ins: special weekend rate

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## Cliffies top coeds in URI regatta

Radcliffe proved to be too much for Tech's women's sailing team last Sunday at the University of Rhode Island in a one-divisional regatta. The Tech sailors were sailing even with Radcliffe, but lost by one point.

Taking the helm for the coeds were Ruth McDowell '67 and Alix Smullin '68. The final scores: Radcliffe 46, MIT 45, Jackson 41, Wellesley 37, URI 26, Connecticut College 22, and Northeastern 19.

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## Frosh sports

## Sailors capture Gibbs Trophy

By Mike Schibly

Tech's sailing team picked up its fourth straight victory last Wednesday at Tufts. The competition was for the Greater Boston Championship and the Gibbs Trophy, and was also an elimination contest for the Nickerson Trophy at Coast Guard, the spring New England Championship regatta.

Sailing in snow and rain, Steve Milligan scored 34 of a possible 42 points to become high scoring skipper for "A" division and tie for first place in the regatta. His crew was Tony Picardi.

In B division, Bob Berliner, with Chuck Wayne as crew, skippered to second place in his division with 31 points. Bob tied for third high skipper in the regatta.

The engineers got off to an early lead in the competition, but with three bad races were soon battling with Tufts and BC for the lead. Harvard pulled ahead of BC after six races, and with three races left Tech trailed Tufts by three points and was tied with

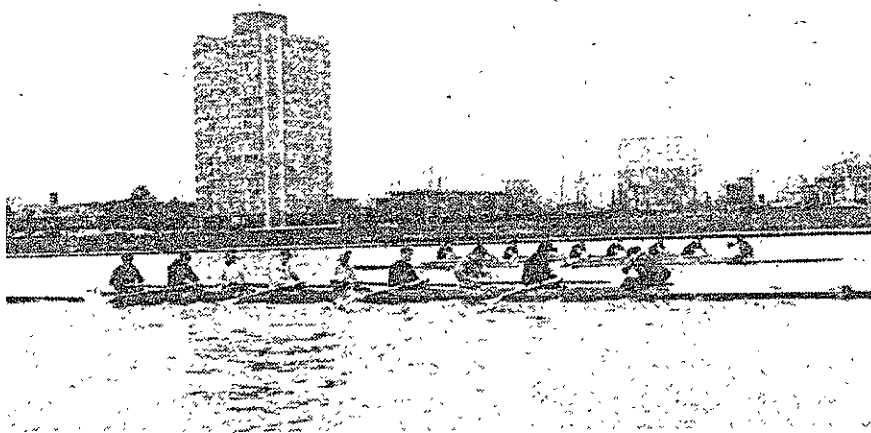


Photo by Dale Stone

Tech's frosh lightweights struggled in vain to catch the Tabor crew, which defeated the frosh by two boat-lengths. Tech's third boat did the best of the day by finishing only two seconds behind Tabor.

Harvard: The engineers, having won only two races up to this point, swept these last three and took first place from Tufts by a single point, 65-64. Harvard was third with 61 points, followed by BC 53, BU 41, and Northeastern, 40.

Tech's next regatta will be on Sunday, when they will compete in an invitational at Tufts.

## Tennis team victorious

Tech racketmen scored their first win in three games on Wednesday by defeating Browne and Nichols by the score of 6-1.

Due to a lack of time, 12 point sets were played instead of the customary 3 game sets. Bob McKinley was number one man on the engineer team, and scored a 12-1 victory over his opponent, the second set won by any Techman in singles competition this year. Joe Baron, in the number two spot, was defeated 12-9, and MIT swept the last five sets. Manny Weiss won 12-3, Terry Champlain, 17-7, Skip Perkins, 12-4, Steve Smilack, 12-1, and Irv Asher, 12-5. In two additional sets, which did not count toward team

scoring, Mike Child was defeated 12-4, while Mike Young won 12-10. All doubles matches were rained out.

## Crew lightweights lose

The lightweight oarsmen dropped a pair of races to Tabor Academy on the Charles River on Wednesday. In the first, the Tech first and second boats finished second and third to Tabor's first boat. The margin of victory was a length and a half.

In the second race, Tech's third lights caught a crab in the final sprint to lose by less than two seconds to Tabor's second boat.

## On Deck

Friday, April 21

Tennis (V)—Colby, here, 3 pm  
Golf (V)—Tufts, Wesleyan, here, 12:30 pm

Saturday, April 22

Baseball (V)—Middlebury, here, 2 pm  
Lacrosse (V)—Amherst, here, 2 pm  
Lacrosse (F)—Winchendon School, here, 2 pm  
Track (V&F)—Williams, away, 2 pm  
Baseball (F)—Browne & Nichols, away, 2 pm  
Tennis (V&F)—Wesleyan, away, 2 pm  
Hvy. Crew (V, JV, F)—Syracuse, Dartmouth at Hanover, N.H.  
Lt. Crew (V, JV, F)—Biglin Cup at Hanover, N.H.  
Sailing (V)—Owen Trophy, here  
Sunday, April 23  
Sailing (V)—Owen Trophy, here  
Sailing (V)—Pentagonal at UConn

## Harvard tops sailors

## Sailors place second in Oberg Regatta

By Bill Michels

On Wednesday, the varsity sailors finished second to Harvard in the Oberg Trophy Regatta, symbolic of the Greater Boston Championship. It was a cold, windy day marked by snow flurries, rain and many protests. It was the first time in eight years that the engineers had failed to win the Trophy.

In "A" division, Captain Chet Osborne '67 skippered with Jim Gallagher '69 as his crew and placed third in the division with 41 points. In "B" division, Dick Smith '69 skippered the first race, and Joe Ferreira '67 skippered the last 6. With only 6 races Joe managed to place third in his division with 41 points. In "C"

division Mike Zuteck '69 skippered with Tom Chanoux '68 as his crew, and placed second in his division with 47 points.

## Protests involved

Harvard maintained a slim lead throughout the regatta, but both MIT and Tufts were never more than a few points behind. After the completion of all 21 races the outcome was still in doubt due to multiple protests involving the three leaders. As a result of the protests, one race had to be resailed in the cold and dreary dusk. Even after the resailed race Harvard had to win another protest to beat MIT. In the end it was Harvard (138) and no disqualifications. MIT (129) and one DSQ and Tufts (126) with three DSQ's. The last three

finishers were Boston College (103), Northeastern (79), and Boston University (73).

Next weekend, the varsity sailors will participate in the two day Owen Trophy Competition at home and a Pentagonal at University of Connecticut.

## Intramural sports

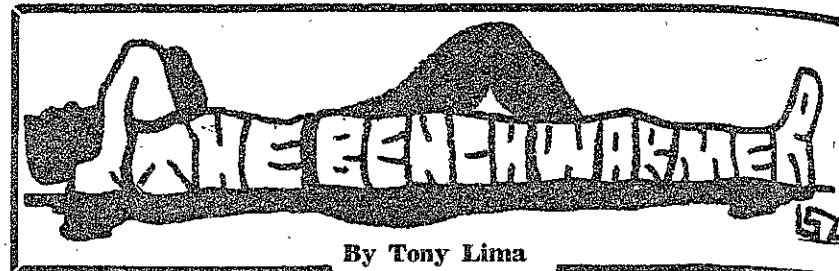
## Burton swimmers sink SAM; TEP, TDC win in volleyball

Water polo and volleyball dominated the intramural scene this past week. Last Sunday, Burton "A" easily defeated the Sammies, 10-3 in water polo. John Wrigley scored 4, Bill Stage 3, and John Dingler '66 rounded off the scoring with 3. Burton will play Theta Chi on Monday in a game that will decide first place seeding in the playoffs.

In other action, AEPI edged past Burton "B," 4-2. SAE defeated TDC, 15-2. Sam Leader '69 paced the Saelors with 5 goals and 3 assists. Carl Martland '68 scored twice for the overpowered Theta Deltas. Finally, Bexley topped Senior House, 3-2.

The IM volleyball season began last Sunday with teams competing in three divisions. Burton-A got its season off to a good start with a win over ATO. The Burton spikers overpowered ATO 3-0.

The MIT Iranian students won their season opener against SAE by a score of 2-0. In other action, AEP fell to SPE by a 2-0



By Tony Lima

Track and field competition in this country is being seriously threatened by the irresponsibility of two groups engaged in a petty feud. Although it had seemed under control, the long-standing dispute between the Amateur Athletic Union and the United States Track and Field Federation broke into the headlines last weekend, as the International Track and Field Federation refused to ratify Jim Ryun's time of 1:44.9 in the half-mile as a world's record.

Last spring, Ryun ran in a meet at Terre Haute, Indiana sponsored by the USTFF. His official time for the race was 1:44.9, apparently giving him the record. But, the AAU, which is the officially recognized body of United States athletics, refused to sign the timer's card, and the whole mess became the case of the record that wasn't there.

This all began a few years ago. But, at that time, the AAU and NCAA were fighting for control of college athletes (not to mention athletics). The USTFF, however, took only a short breath before jumping head-first into the fray. The dispute was apparently settled when then-President Kennedy appointed a Federal Commission to arbitrate the dispute.

Apparently, nobody told the USTFF that things had been settled. Immediately after the initial dispute began, a dilution of quality in meets was noticed by both sides. Now, the fight appears to have grown to the point where the persons involved are willing to forfeit American prestige in order to gain power.

Things weren't so bad when it was "just" the quality of an Olympic team at stake. Now, however, the amateur structure underlying track and field events has been jeopardized. Right now, it is a Kansas sophomore paying the price of running in a meet which didn't really count, since it wasn't "officially" sanctioned. He will undoubtedly break the record again, so it is hard to work up any real sympathy for him. But, who can say what it will be tomorrow? It's about time that these two groups stopped worrying who is where in the bureaucracy and started fulfilling their purpose: the encouragement of amateur athletics in this country.

## Racketmen edge UMass; face Colby College today

By George Wood

Tech's racketmen travelled to UMass, Wednesday and despite the freezing weather, strong winds, and poor courts returned to Cambridge with a 5-4 victory. Captain Rich Thurber '67 drop-

ped the first match of the afternoon, 6-1 and 6-4 to Harvey Kednicob. In the second match Steve Deneroff '68 showed brilliant form as he took two straight sets, 6-2, 6-4. Deneroff's opponent, Sam Veagle, was thoroughly outclassed by Steve's strong game. After a close victory in the first set, 6-4, Carl Weissgerber '68 dropped two straight to Jerry Johnson, 6-0, 6-2.

## St. Peter comes back

John St. Peter '67, after dropping the first set 4-6 to John Clam, surged to a 7-5 victory in the second set and secured the point for MIT with a strong 6-3 final set. Bob Metcalfe '68, having one of his off days, was easily beaten by UMass's Jim Shepert, 6-4, 6-4. After taking the

first set 6-4, Tom Stewart '69 dropped the second 4-6. With the pressure on, Tom came through with a strong third set and topped Don Davis, 6-3.

## Doubles teams decide match

The match score stood at three-three after the singles. It was up to the doubles teams to pull it out for MIT. The first doubles team, Thurber and Metcalfe, ran into some stiff competition from Kednicob and Veagle. Set scores were 6-2, 6-0. This put the engineers with their backs to the wall. The second team, Deneroff and Weissgerber, rose to the occasion and tied the score. Despite adroit play by Deneroff in the first set, UMass topped the pair, 5-7. In the final two sets, Weissgerber equalled Deneroff's inspiring play and the pair downed their opponents, 8-6, 6-4. In the final match, St. Peter and Stewart clinched the victory for Tech. Superb play on the part of both engineers resulted in an easy victory, 6-3, 6-3.

This afternoon, a tough Colby College squad will invade the MIT courts at 3:00 pm.

## Golfers drop triangular; Everett shines in defeat

In a 40-degree wind which swept the Edgewood CC in Middletown, Conn., the varsity golf team opened its season by dropping a triangular meet to Trinity and Williams. Led by Carl Everett '69, the squad turned in disappointing rounds to lose to host Trinity 4-3 and bow to Williams 5-2.

Gerry Banner '68 and Tom Thomas '69 each scored 83 to drop both of their matches. Tom blew his Williams contest on the eighteenth hole when he missed the par 3 green.

Carl Everett '69 vanquished both his foes while leading the engineers with a 79. After a 41

on the front side Carl managed to pull even with Williams and within one of Trinity on the seventeenth green. On the final hole he hit the green and dropped a ten foot putt to notch one victory. Four greens later his Trinity opponent three putted to lose it on the 22nd.

Ben Roach '68 fired an 80, but dropped both contests. His foe, Tom Lynch, was medalist with 74. Greg Kast '69 also registered an 80 which was good enough for a split. He downed his Trinity man 4 and 2. Mike McMahon '69 captured two points with an 83. Tom James dropped two matches while shooting 86.



Photo by Tom Dooley

Don Baron of Fiji returns a shot while shirtless Phil Dorin '70 of TEP looks on. TEP's won in 2 straight.

score, TEP beat the Fiji's, 2-0, TDC topped Burton 5, 2-0.

Second-place prize: path at Burton, Massachusetts. The Tech is published every Friday, except during the summer months. Subscriptions: \$4.00 per year, \$1.00 per month. Single copies: 50¢. Advertising: \$1.00 per line per week. Classified: \$1.00 per line per week. United States mail subscription rates: \$4.00 per year, \$1.00 per month.